

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.DATE FILED 10-22-93  
LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-096547 INDIAN

DRILLING APPROVED: 11-22-93

SPUDED IN:

COMPLETED: 8-9-94  
4-20-94 ROW PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT: JONAH

COUNTY: DUCHESNE

WELL NO. MONUMENT BUTTE FED. 21-14J

API NO. 43-013-31421

LOCATION 518' FNL FT. FROM (N) (S) LINE, 1850' FWL FT. FROM (E) (W) LINE. NE NW 1/4 - 1/4 SEC. 14

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	16E	14	EQUITABLE RESOURCES				

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. Lease Designation and Serial No. Federal # U-096547	
1b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name n/a	
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division		7. Unit Agreement Name Jonah Unit	
3. Address of Operator P.O. Box 21017; Billings, MT 59104		8. Firm or Lease Name Balcron Monument Federal	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 517.8' FNL, 1850.2' FWL At proposed prod. zone		9. Well No. #21-14J	
14. Distance in miles and direction from nearest town or post office* Approximately 16 miles SW of Myton, UT		10. Field and Pool, or Wildcat Monument Butte/Green River	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drilg. line, if any)		11. Qq. Sec., T., R., H., or Bk. and Survey or Area NE NW Sec. 14, T9S, R16E	
16. No. of acres in lease		12. County or Parrish Duchesne	
17. No. of acres assigned to this well		13. State UTAH	
18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.		20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) 5592.5' GL		22. Approx. date work will start* Upon APD approval	
23. PROPOSED CASING AND CEMENTING PROGRAM			
Size of Hole	Size of Casing	Weight per Foot	Setting Depth
See attached			

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

**CONFIDENTIAL****RECEIVED**

OCT 22 1993

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signed Robbie Schuman  
Robbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date October 20, 1993

(This space for Federal or State office use)

API NO. 43-013-31421

Approval Date

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS AND MINING  
DATE: 10-22-93  
BY: [Signature]  
WELL SPACING: 1649-2-3

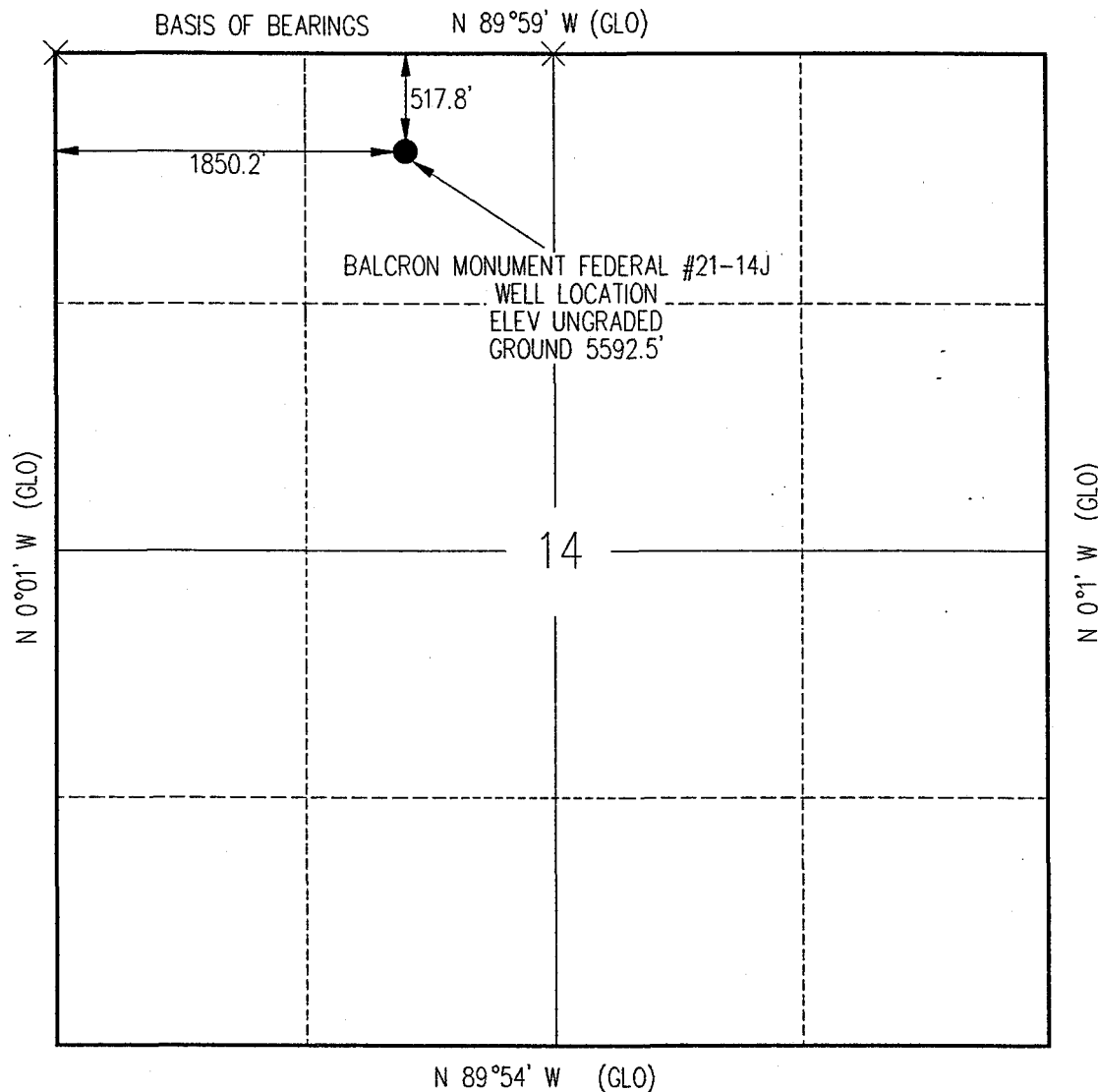
\*See Instructions On Reverse Side

EXHIBIT "F"

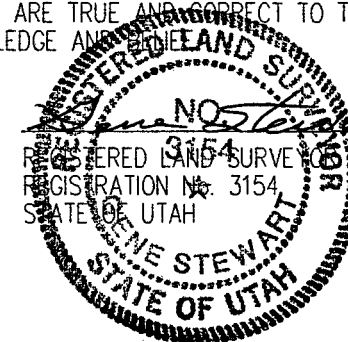
T9S, R16E, S.L.B. & M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #21-14J, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 14, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & WARM  
DATE: 9/30/93  
SCALE: 1" = 1000'  
SURVEYED BY: GS QS  
FILE: MF 21-14J



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface

517.8' FNL, 1850.2' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 16 miles SW of Myton; UT

16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

18. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

5,750'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5592.5' GL

22. APPROX. DATE WORK WILL START\*

Upon APD Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM  
"B" PROPOSED SURFACE USE PROGRAM  
"C" GEOLOGIC PROGNOSIS  
"D" DRILLING PROGRAM/CASING DESIGN  
"E" EVIDENCE OF BOND COVERAGE  
"F" SURVEY PLAT

"G" RIG LAYOUT  
"H" BOPE DIAGRAM  
"I" EXISTING ROADS (Map A)  
"J" PLANNED ACCESS (Map B)  
"K" EXISTING WELLS (Map C)  
"L" CUT & FILL DIAGRAM

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OCT 22 1993

DIVISION OF  
OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Bobbie Schuman*

Coordinator of Environmental  
and Regulatory Affairs

DATE

*October 20, 1993*

Bobbie Schuman

(This space for Federal or State office use)

PERMIT NO.

43-013-31421

APPROVAL DATE

APPROVED BY

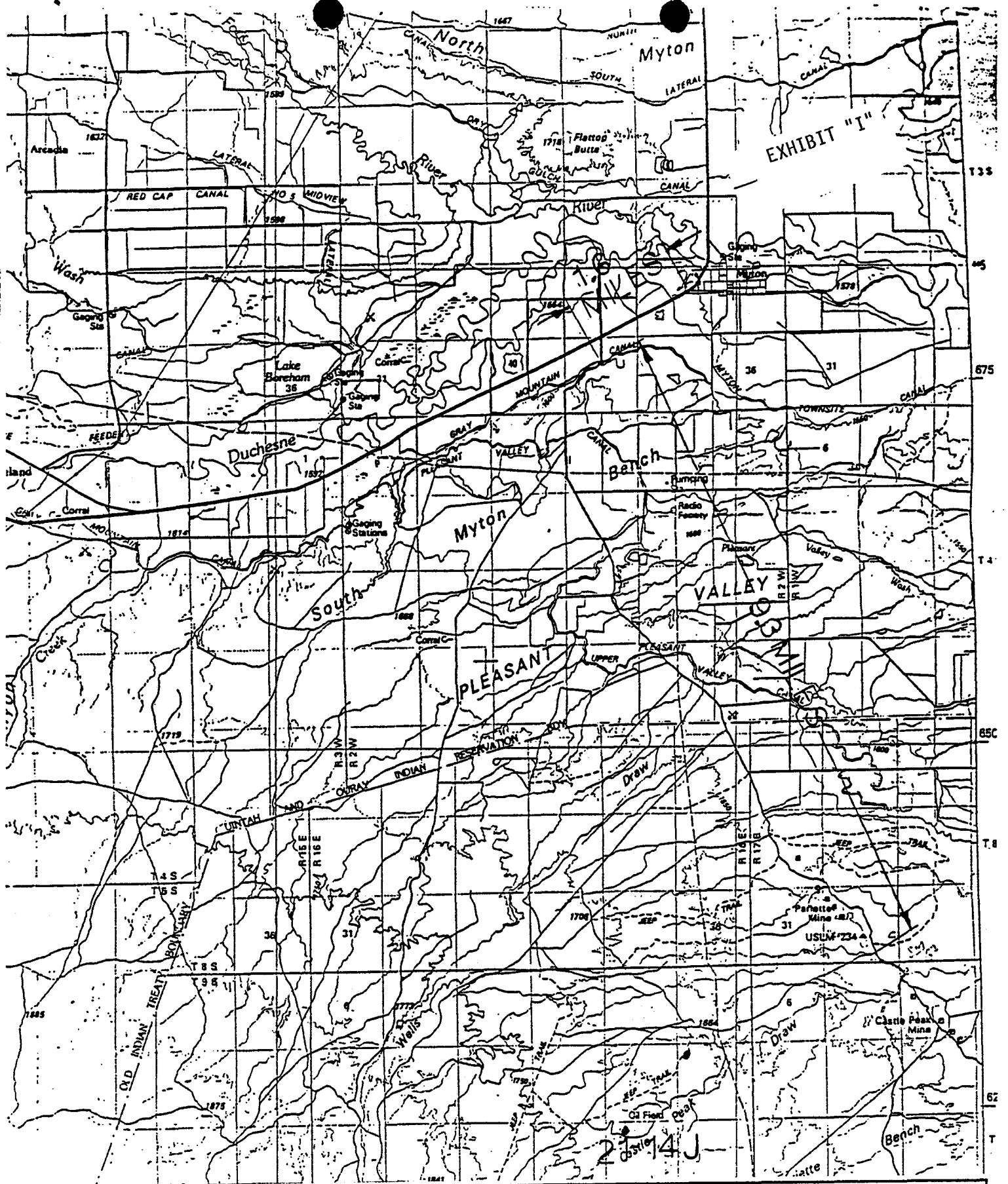
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

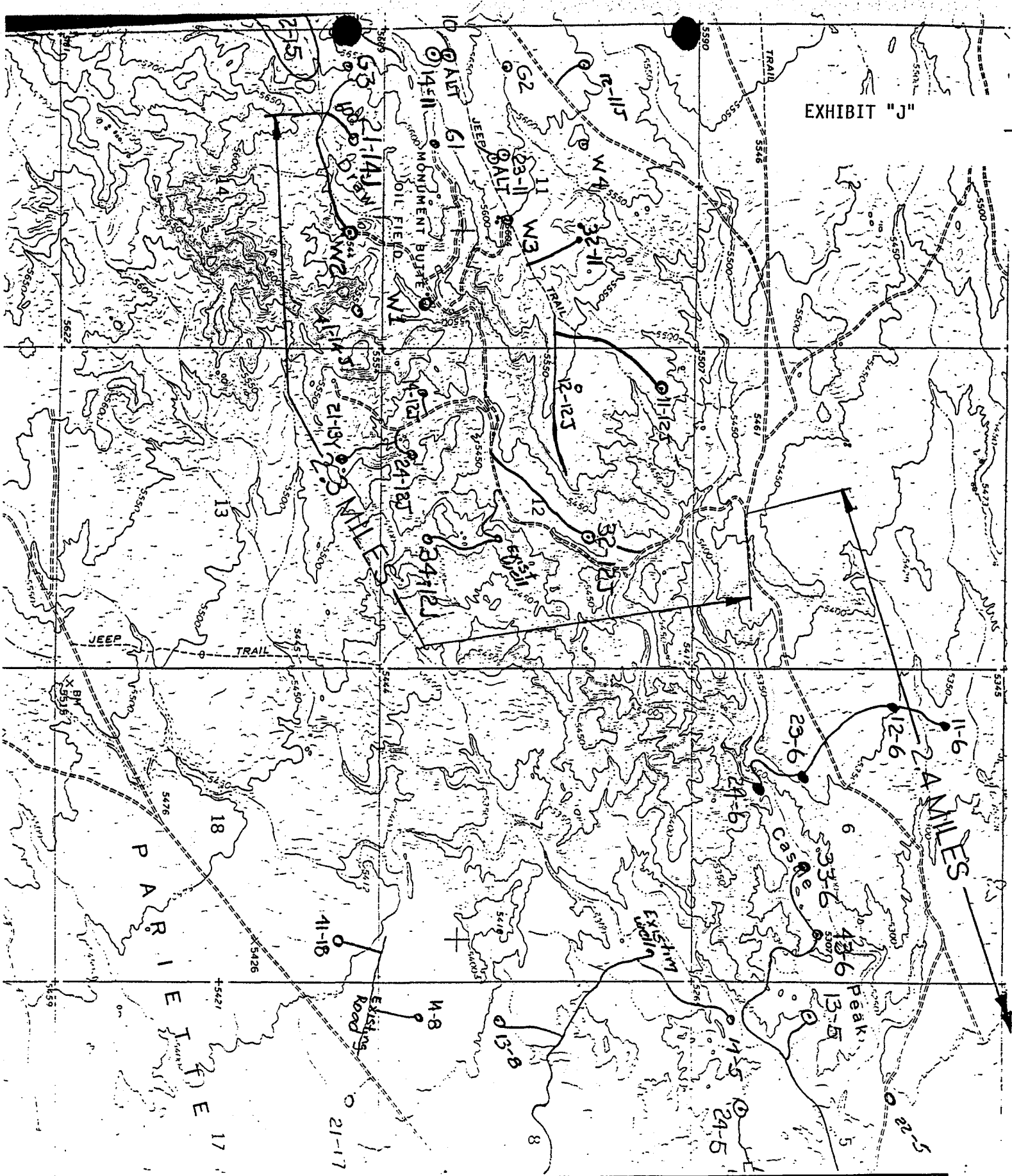
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



EQUITABLE RESOURCES ENERGY CO.  
 MONUMENT FEDERAL #21-14J  
 MAP "A"

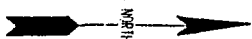
TRI-STATE  
 LAND SURVEYING, INC.  
 38 WEST 100 NORTH, VERNAL, UTAH 84078  
 801-781-2501

EXHIBIT "J"



EQUITABLE RESOURCES ENERGY CO.  
MONUMENT FEDERAL #21-14J  
MAP "B"

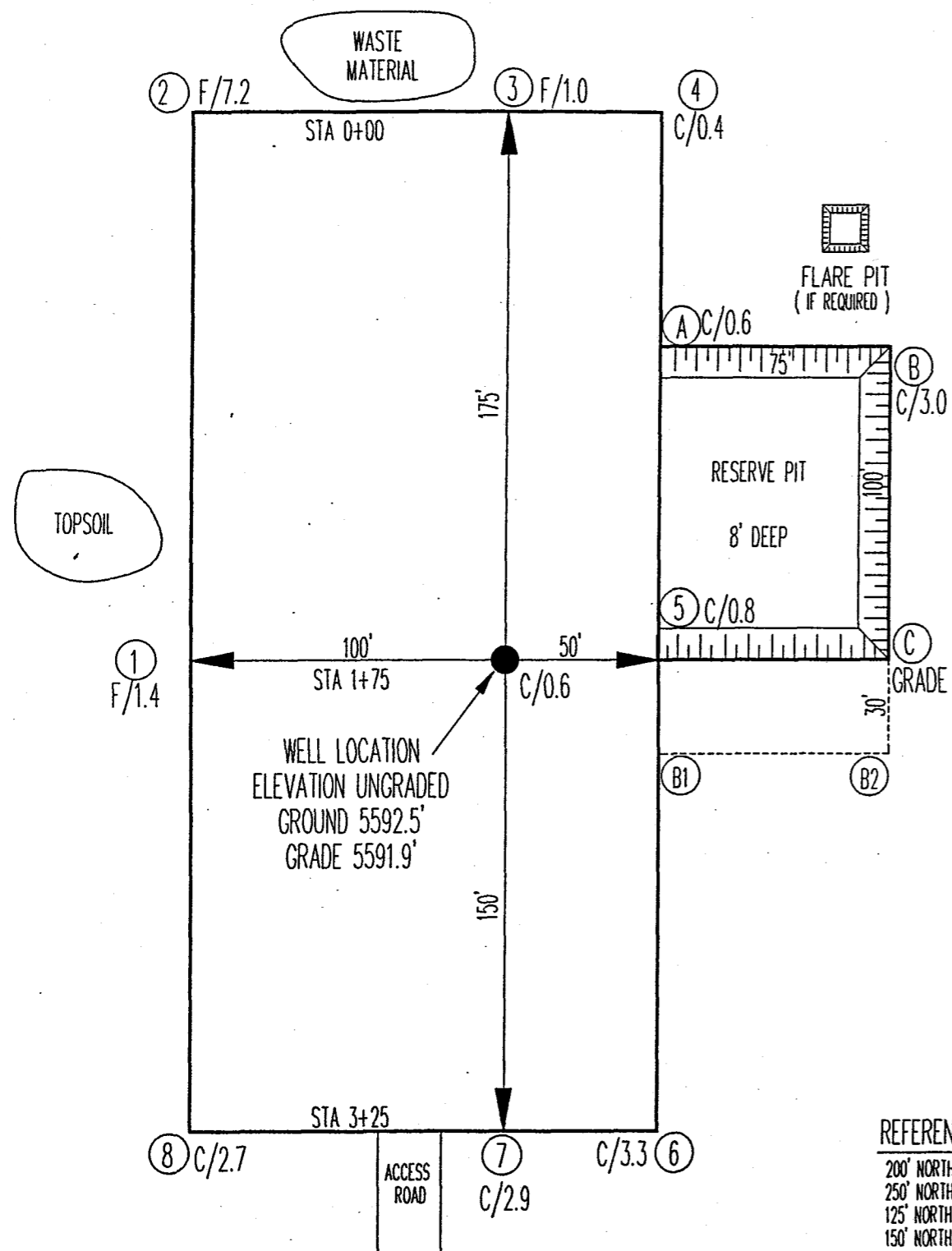
**TRI-STATE**  
**LAND SURVEYING, INC.**  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501





# EQUITABLE RESOURCES ENERGY CO.

## BALCRON MONUMENT FEDERAL #21-14J

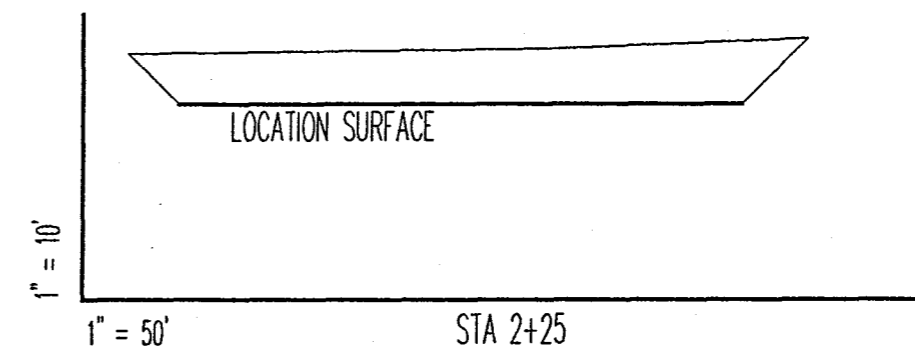
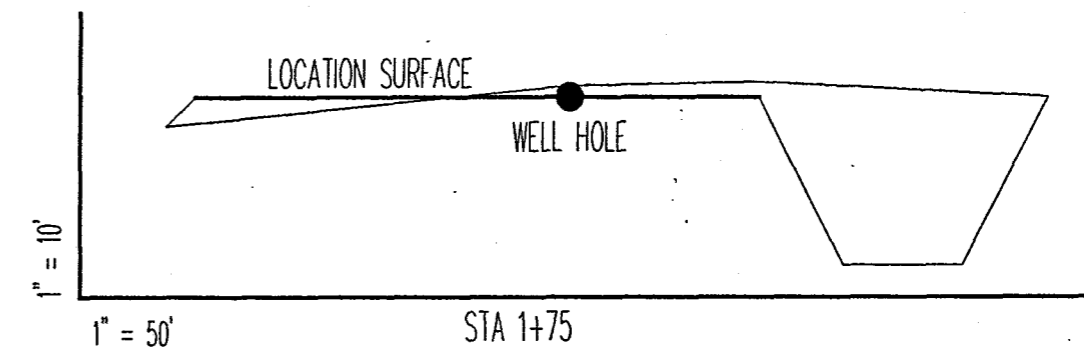
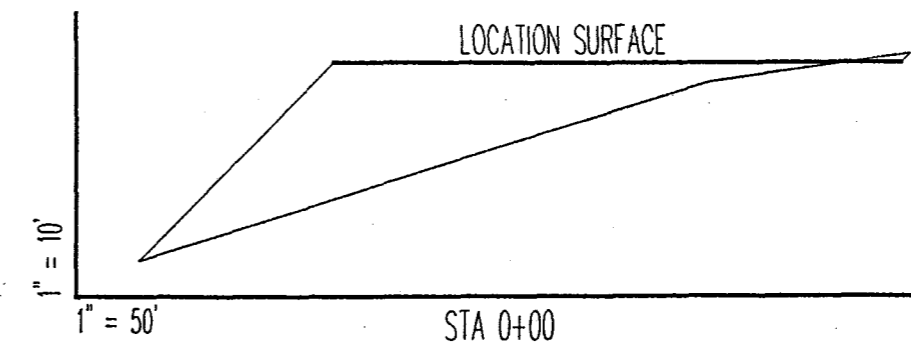
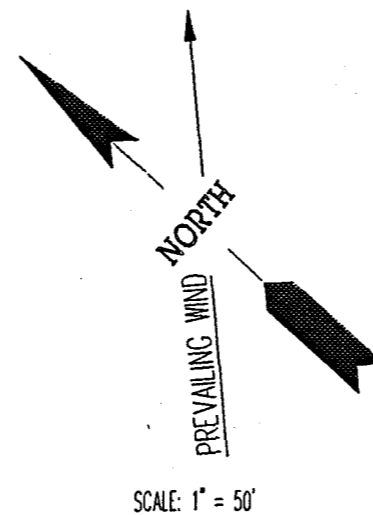


## REFERENCE POINTS

200' NORTHEAST	5591.9'
250' NORTHEAST	5587.6'
125' NORTHWEST	5586.8'
150' NORTHWEST	5582.7'

## APPROXIMATE YARDAGE

CUT	= 1860 Cu Yds
FILL	= 1810 Cu Yds
PIT	= 1826 Cu Yds



**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

# **CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

Equitable Resources Energy Company  
Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #21-14J  
NE NW Section 14-T9S-R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #21-14J  
NE NW Section 14, T9S, R16E  
DUCHESNE COUNTY, UTAH

**1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)**

- A. The proposed well site is staked and four reference stakes are present. 125' & 150' NW and 200' & 250' NE.
- B. The Monument Federal #21-14J is located approximately 16 miles Southwesterly of Myton Utah, in the NE1/4 NW1/4 Section 14, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 21-14J, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with Monument Butte Gas Plant road. Proceed West along said Gas Plant road 2.4 miles to road intersection. Turn left and proceed 2.3 miles to proposed access road sign. Follow flags 300 feet to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

**2. Planned Access Roads: Refer to Map "B" (shown in GREEN)**

Approximately 300 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and

will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

**A. Existing**

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

**B. New Facilities Contemplated**

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## **5. Location and Type of Water Supply**

- A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah, or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.

B. No water well will be drilled on this location.

#### **6. Source of Construction Materials**

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

C. All surface disturbance area is on B.L.M. lands.

D. There are no trees on this location.

#### **7. Methods of Handling Waste Materials:**

A. Cuttings - the cuttings will be deposited in the reserve pit.

B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. the reserve pit will be lined with a plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

#### **8. Ancillary Facilities:**

None anticipated.

## 9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to help visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be located on the East side, and the flare pit will be downwind of the prevailing wind direction near pit corner B. Access to the well pad will be from the SW near corner #7.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind on the South side of location near pit corner B, at least 100' from the wellhead and at least 30' from the reserve pit. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.

The reserve pit will be lined. The liner will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
- 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

#### **10. Plans for Reclamation of the Surface:**

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### **A. Production**

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic reinforced pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year

round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seeded will be prepared by dishing, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the authorized officer.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

#### B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (a) re-establishing irrigation systems where applicable,
  - (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.
  - (a) A silt catchment basin will not be required at this location.

#### **11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

#### **12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 11 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area.

The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production..
- C.
  - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
  - 2. There are no occupied dwellings in the immediate area
  - 3. An archaeological report will be forwarded upon completion.

4. There are no reported restrictions or reservations noted on the oil and gas lease.

**13. Lessee's or Operator's Representative:**

Balcron Oil  
a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Field Superintendant Home (406)656-9719

**14. certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 20, 1993

**Date**

Bobbie Schuman

**Bobbie Schuman  
Coordinator of Enviromental  
and Regulatory Affairs  
BALCRON OIL division of  
Equitable Resources Energy  
Company**



Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area      PROSPECT/FIELD: Monument Butte  
LOCATION: Twn.9S Rge.16E & 17E  
COUNTY: Duchesne      STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE      INTERVAL

12 1/4"      0 to 260'  
7 7/8"      260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55

(All Casing will be new, ST&C)

CEMENT PROGRAM

Surface      150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)

Production      250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY  
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- Drilling will be done using 2% KCl water and gel.

COMMENTS

- No cores or DST's are planned.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2280 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825			
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1992 (Revised 8/30/93)  
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
MONTANA STATE OFFICE  
222 NORTH 32ND STREET  
P.O. BOX 36800  
BILLINGS, MONTANA 59107-6800

Exhibit E  
Page 1 of 4



IN REPLY TO:

MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

## NOTICE

Equitable Resources Energy Company  
P. O. Box 21017  
Billings, Montana 59104

OIL AND GAS

### CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

*Cynthia L. Embretson*  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

1 Enclosure  
1-Exhibit A

cc: (w/encl.)  
AFS, Denver (1)  
All DMS (1 ea.)  
RMO Section (1)  
Regional Forester, Lakewood (2)  
Regional Forester, Missoula (2)  
Bureau of Reclamation (1)

Form 3104-8  
(July 1984)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE  
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we  
BALCRON OIL COMPANY  
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and  
SAFECO INSURANCE COMPANY OF AMERICA  
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY  
THOUSAND AND 00/100-----dollars (\$ 150,000.00 ), in lawful money  
of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for  
the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a  
statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any  
lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the  
same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits  
in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves,  
and each of our heirs, executors, administrators, and successors, jointly and severally.

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States,  
including Alaska, issued or acquired under the Acts cited in Schedule A.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under  
the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached  
hereto by the lessor with the consent of the surety.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petro-  
leum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and  
other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that,  
whereas the said principal has an interest in oil and gas  
leases issued under the Acts cited in this bond: (1) as  
lessee; (2) as the approved holder of operating rights in  
all or part of the lands covered by such leases under oper-  
ating agreements with the lessees; or (3) as designated oper-  
ator or agent under such leases pending approval of an  
assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or  
under the lands covered by the leases, operating agreements  
or designations and is obligated to comply with certain  
covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice  
to the surety the coverage of this bond, in addition to the  
present holdings of the principal, shall extend to and  
include:



SAFECO

SURETY RIDER

EXHIBIT "E" Page 3 of 4  
SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
FIRST NATIONAL INSURANCE COMPANY  
OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond  
Bond No. 5547188 (BLM Bond No. MT0576)  
dated effective 9/8/88  
(MONTH, DAY, YEAR)  
executed by BALCRON OIL COMPANY, as Principal,  
(PRINCIPAL)  
and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,  
(SURETY)  
in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND  
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal  
From: BALCRON OIL COMPANY  
  
To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89  
(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89  
(MONTH, DAY, YEAR)  
EQUITABLE RESOURCES ENERGY COMPANY  
PRINCIPAL

By: \_\_\_\_\_ TITLE

SAFECO INSURANCE COMPANY OF AMERICA

SURETY

By: R. George Voinchet ATTORNEY-IN-FACT



POWER  
OF ATTORNEY

GENERAL INSURANCE COMPANY OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

EXHIBIT "E" Page 4 of 4  
3798

No. \_\_\_\_\_

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each, a Washington corporation, does each hereby appoint

-----THOMAS L. VEHR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

- (i) The provisions of Article V, Section 13 of the By-Laws, and
- (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
- (iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

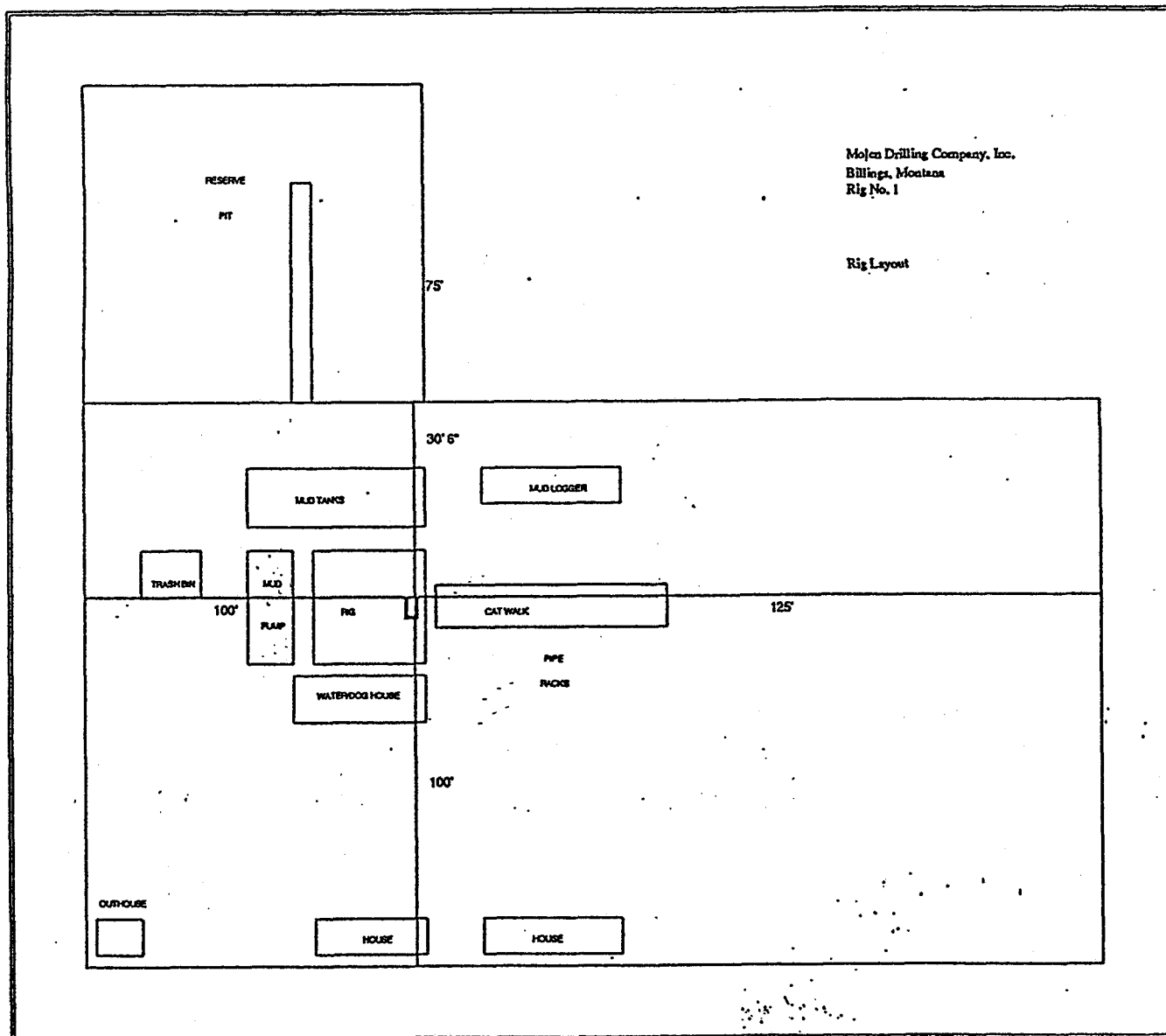
I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

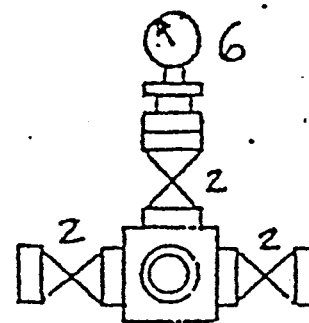
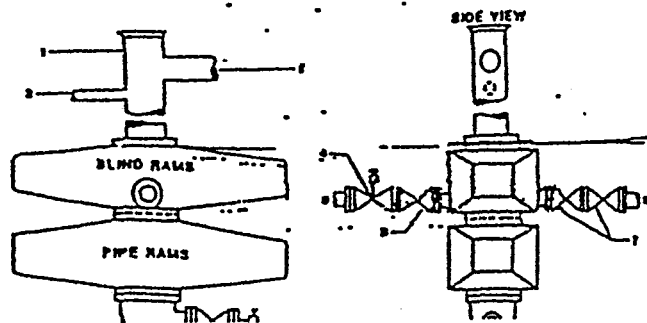
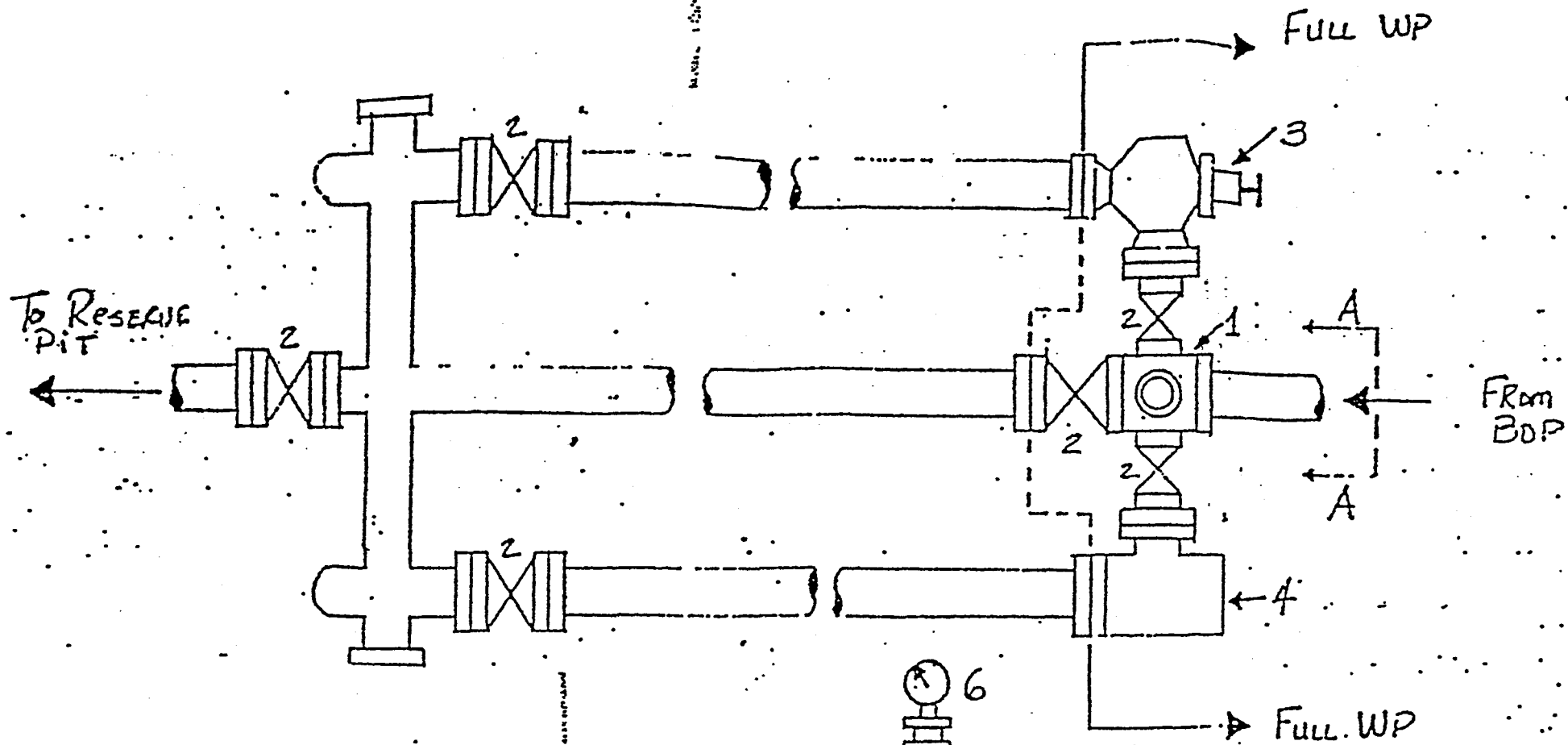
this 10th day of April, 19 89.

## EXHIBITS "G" and "H"

Rig layouts and BOPE diagrams are submitted for both Union Drilling Rig #17 and Molen Drilling Rig #1. This well will be drilled with air as far as hole conditions allow and then with drilling fluids. See EXHIBIT "D" for additional details.



# EXHIBIT "H"



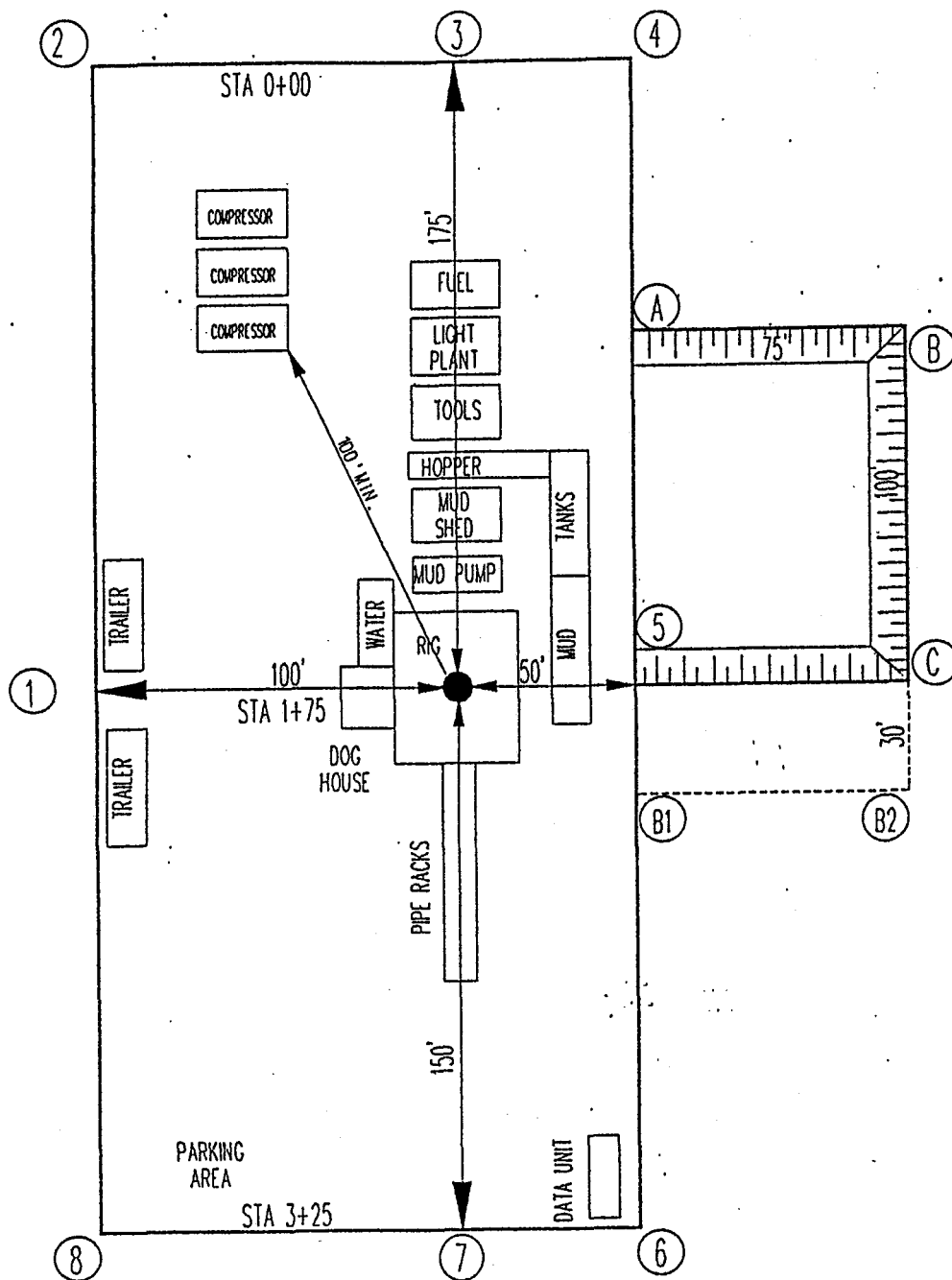
VIEW A-A

1. Cross
2. Gate Valve
3. Adjustable Choke
4. Positive Choke
5. Welded Bull Plug, Lead Filled
6. 2" - 3000-psi mud pressure gauge

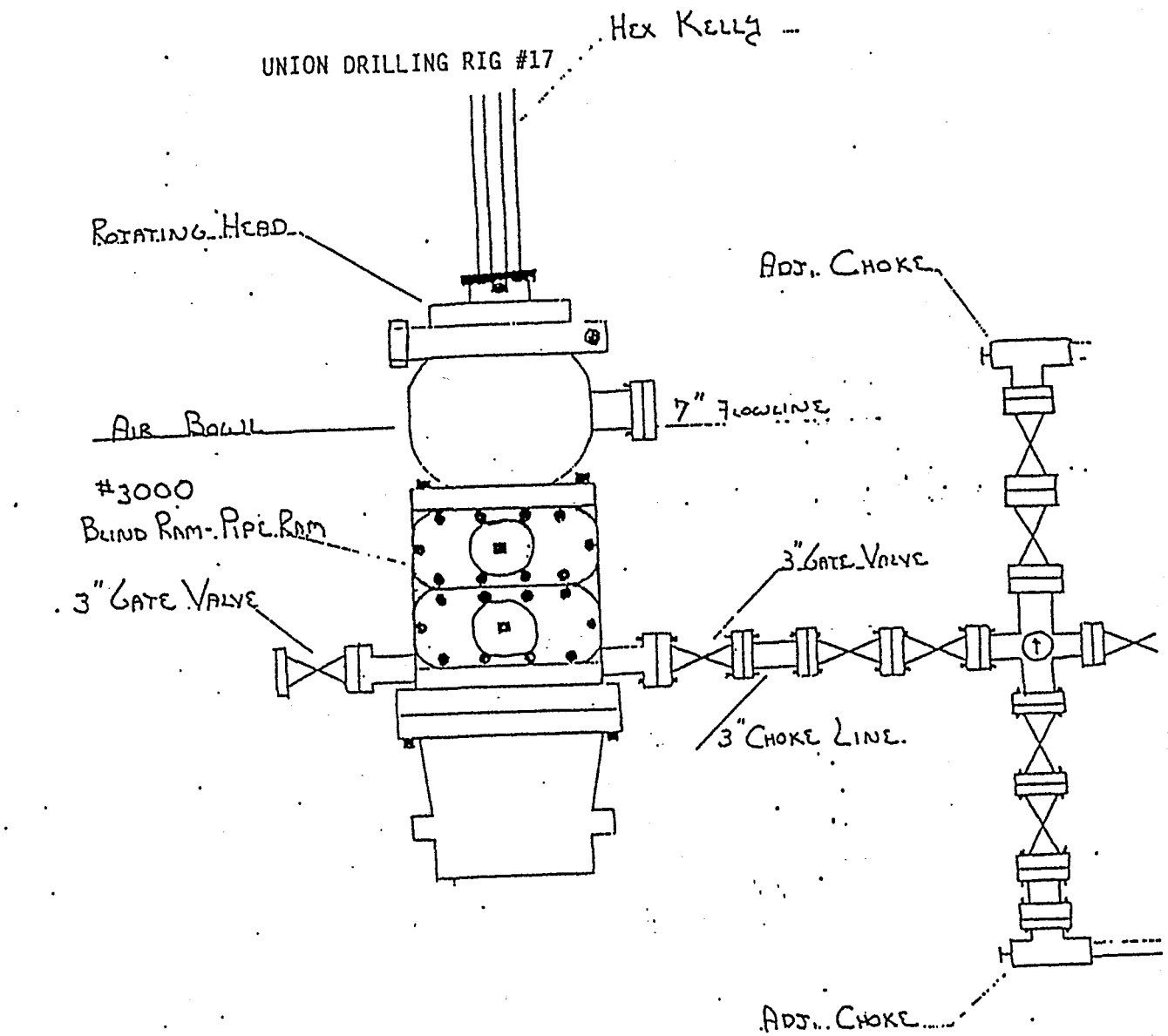
Notes: All lines must be securely anchored.

# EQUITABLE RESOURCES ENERGY CO.

## WELLSITE LAYOUT



**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERMILION, UTAH 84078  
801-781-2501



#3000 STACK

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/22/93

API NO. ASSIGNED: 43-013-31421

WELL NAME: BALCRON MONUMENT FED. 21-14J  
OPERATOR: EQUITABLE RSOURCES (N9890)

PROPOSED LOCATION:

NENW 14 - T09S - R16E  
SURFACE: 0518-FNL-1850-FWL  
BOTTOM: 0518-FNL-1850-FWL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED  
LEASE NUMBER: U-096547

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat  
Y Bond  
(Number FEDERAL)  
N Potash (Y/N)  
N Oil shale (Y/N)  
Y Water permit  
(Number BY SUNDRY)  
N RDCC Review (Y/N)  
(Date: 8)

LOCATION AND SITING:

✓ R649-2-3. Unit: UTU 72086A  
    R649-3-2. General.  
    R649-3-3. Exception.  
    Drilling Unit.  
    Board Cause no: \_\_\_\_\_  
    Date: \_\_\_\_\_

COMMENTS: WELL IS NOT PART OF 1993 POD

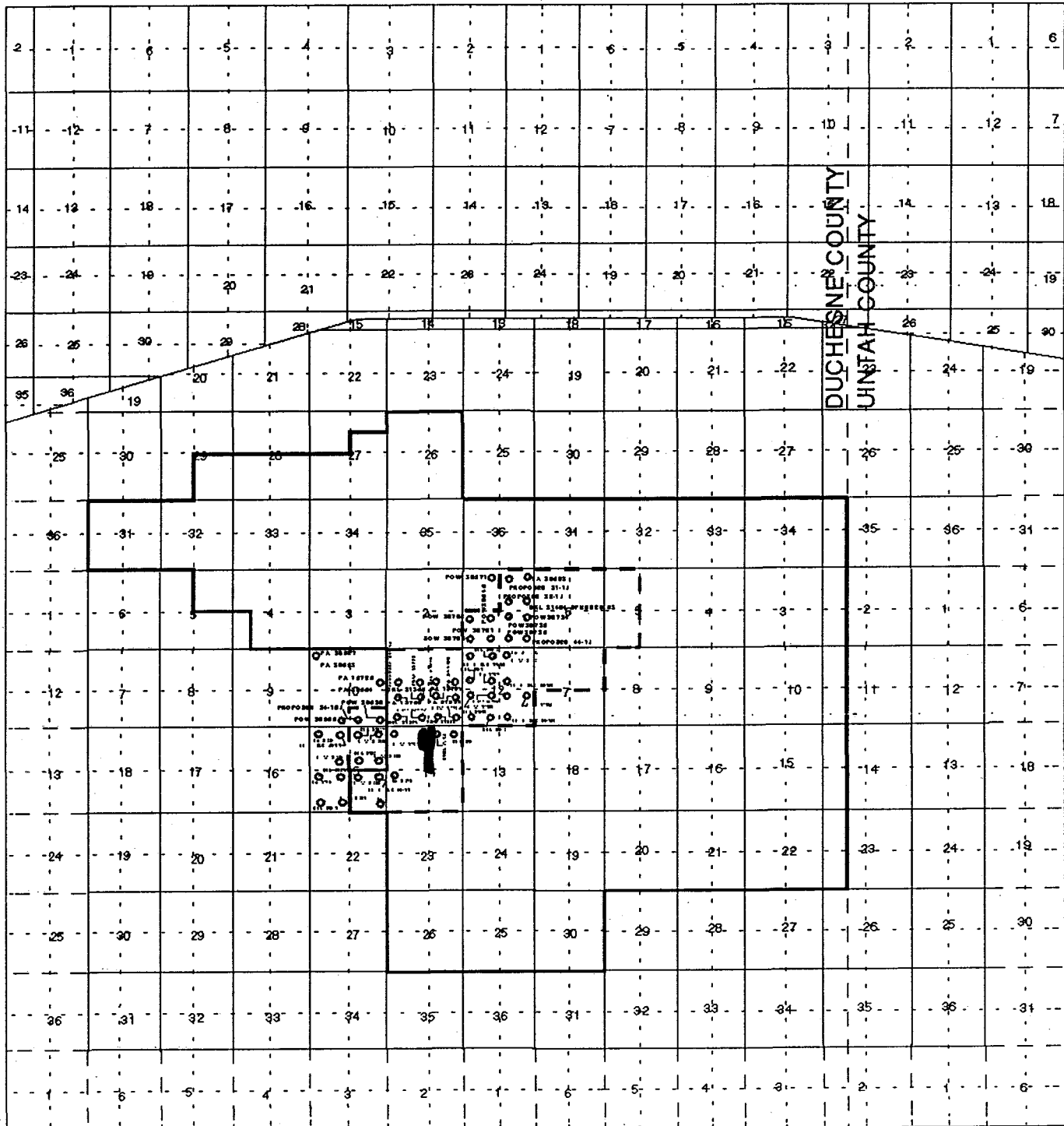
Included in 1994 POD

STIPULATIONS: \_\_\_\_\_

# MONUMENT BUTTE

T 1 W

R 1 E



T 4 S

T 8 S

T 9 S

R 16 E

R 17 E

DUCHESE COUNTY

FIELD 105 ACTIVE

**CULTURAL RESOURCE EVALUATION  
OF EIGHT PROPOSED WELLS  
IN THE MONUMENT BUTTES  
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937  
AERC Project 1410 (BLCR-93-9)

Utah State Project No.: UT-93-AF-595b

Principal Investigator  
F. Richard Hauck, Ph.D.

Authors of the Report  
F. Richard Hauck & Glade V Hadden



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853

November 8, 1993

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of eight proposed wells (Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, 34-12J, 21-14J) and associated access routes situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 90.79 acres, of which 80 acres are associated with the eight well pads and an additional 10.79 acres associated with the various access road rights of way. These evaluations were conducted by Glade Hadden and Walter Lenington of AERC on October 29 and November 4, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

Two newly identified cultural resource activity loci were discovered and recorded during the examinations. 42DC 780 is a significant prehistoric activity locus associated with well location 34-12J. This location can not be moved within the ten acre parcel to avoid Site 42DC 780 and the mitigation of the site is recommended should Balcron Oil Division desire to initiate a drilling program at this location. 42DC 781 is a non-significant prehistoric activity locus associated with well location 32-12J.

Six isolated artifacts (AERC #s 1410 G/X1 through 1410 G/X5 and 1410W/X1) are non-diagnostic flakes and bifacially flaked tools which were noted and recorded during the investigations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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FIGURE 7: Isolated Artifact 1410W/x1 . . . . .	11

## GENERAL INFORMATION

On October 29 and November 4, 1993, AERC archaeologists Glade Hadden and Walter Lenington conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved eight proposed well locations (Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, 34-12J, 21-14J) and associated access roads located in the Monument Buttes area south of Myton, Utah. Some 90.79 acres were examined which includes ca. 80 acres associated with the eight well pads and an additional 10.79 acres associated with the various 100 foot-wide access routes. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments of these eight drilling locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

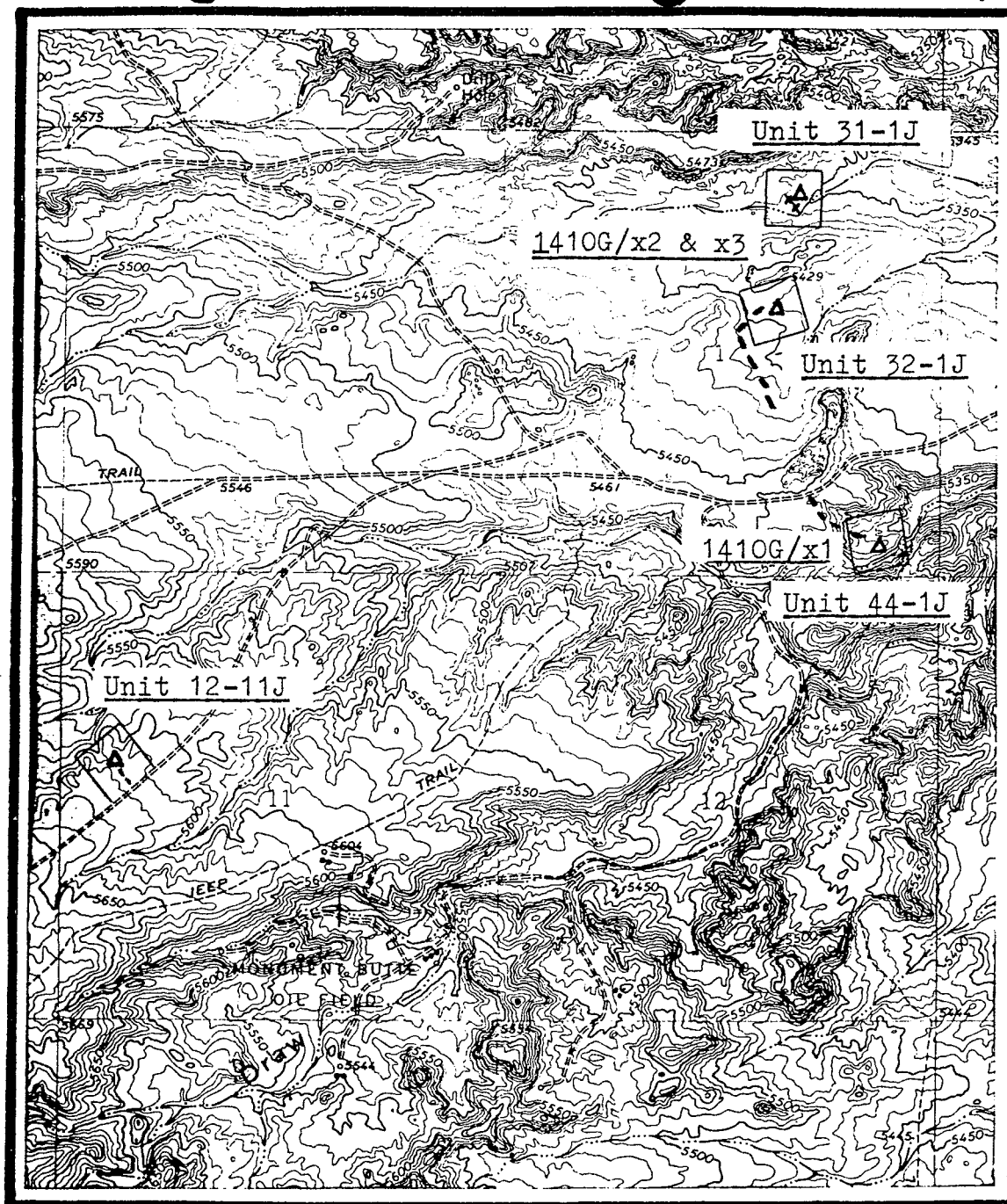
## Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE 7.5 minute topographic quad. The proposed drilling locations are situated in the following sections:

Balcron Monument Federal #31-1J is located in the NW - NE of Section 1, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #32-1J is located in the SW - NE of Section 1, T. 9 So., R. 16 E. and includes ca. 1500 feet of access road (see Map 1)

Balcron Monument Federal #44-1J is located in the SE - SE of Section 1, T. 9 So., R. 16 E. and includes ca. 700 feet of access road (see Map 1)



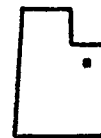
T. 9 South  
R. 16 East  
Meridian: SL  
Quad: Myton  
SE, Utah

4  
N

Project: BLCR-93-9  
Series: Uinta Basin  
Date: 11-15-93

**MAP 1**  
Cultural Resource Survey  
of Proposed Drilling Units  
in the Monument Butte  
Locality of Duchesne Co.

Scale: 1:24000



**Legend:**

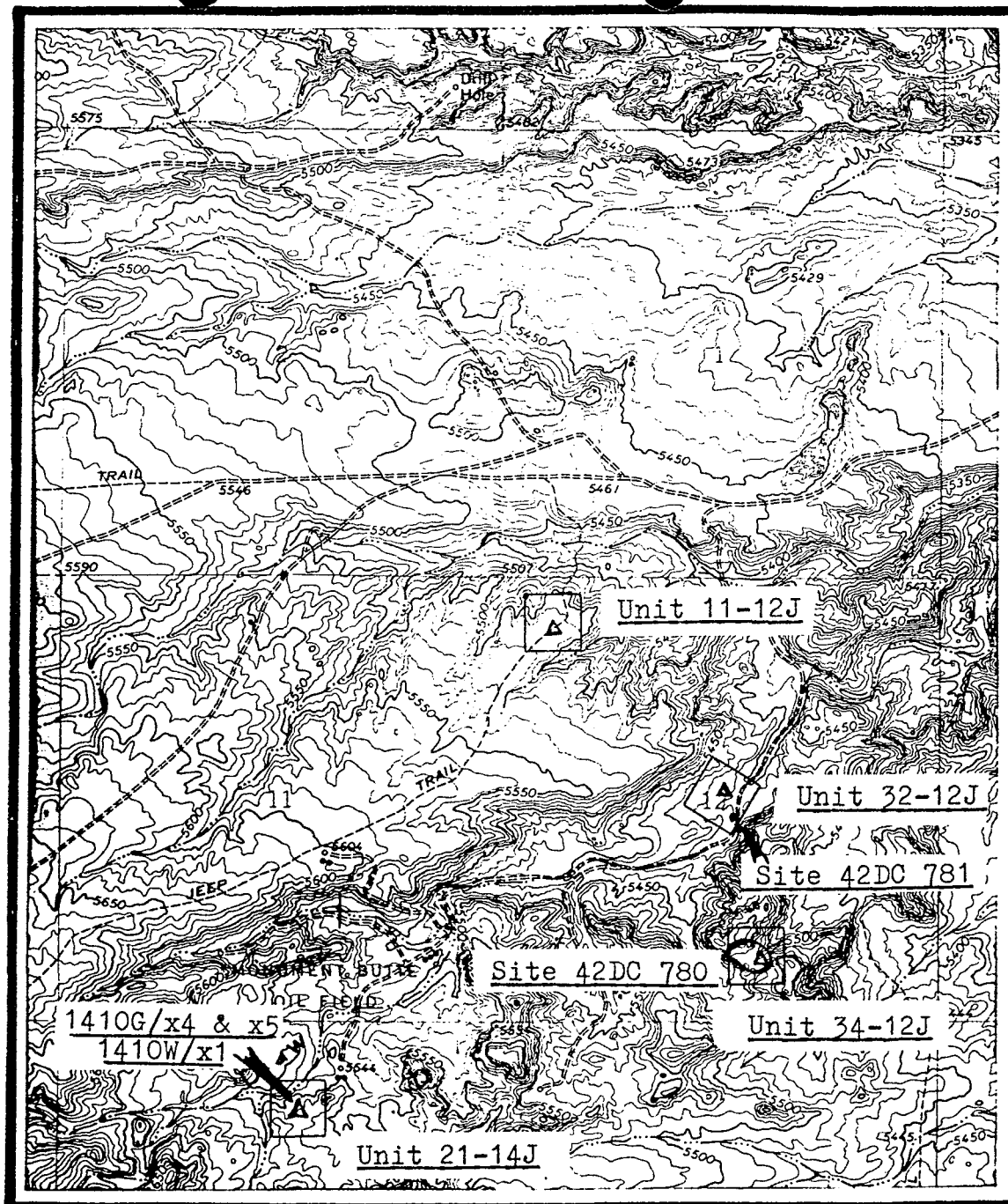
Well  
Location

Access  
Route  
10 Acre  
Survey  
Area

Isolated  
Artifact



x



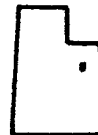
T. 9 South  
R. 16 East  
Meridian: SL  
Quad: Myton  
SE, Utah

4  
N

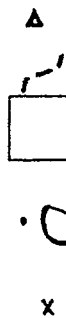
Project: BLCR-93-9  
Series: Uinta Basin  
Date: 11-15-93

**MAP 2**  
Cultural Resource Survey  
of Proposed Drilling Units  
in the Monument Butte  
Locality of Duchesne Co.

Scale: 1:24000



**Legend:**  
Well Location  
Access Route  
10 Acre Survey Area  
Cultural Site  
Isolated Artifact



Balcron Monument Federal #12-11J is located in the SW - NW of Section 11, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #11-12J is located in the NW - NW of Section 12, T. 9 So., R. 16 E. and includes ca. 1800 feet of access road (see Map 2)

Balcron Monument Federal #32-12J is located in the SW - NE of Section 12, T. 9 So., R. 16 E. (see Map 2)

Balcron Monument Federal #34-12J is located in the SW - SE of Section 12, T. 9 So., R. 16 E. and includes ca. 500 feet of access road (see Map 2)

Balcron Monument Federal #21-14J is located in the NE - NW of Section 14, T. 9 So., R. 16 E. and includes ca. 200 feet of access road (see Map 2)

### Environmental Description

The project area is within the 5300 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Eriogonum* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on October 18, 1993. A similar search was conducted in the Vernal District Office of the BLM on October 29, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

## Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

## Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area covering each well pad. In addition, access routes were surveyed by the archaeologists walking a pair of 10 to 15 meter wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 10.79 acres) was examined for the total ca. 4700 foot length of proposed access road, in addition to the eighty acres inventoried on the well pads for a total of 90.79 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

## Results of the Inventory

Two prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations. These two sites include 42DC 780 and 42DC 781. A brief summary of each site can be provided as follows:

### Site 42DC 780 (see Map 2)

Site 42DC 780 is an extensive lithic scatter and sheltered occupation located within the development zone of Monument Federal Unit #34-12J. Site 42DC 780 consists of a 120 x 60 meter lithic scatter and shallow rock shelter complex. Isolated flakes are located up to 200 meters from the main locus. Artifacts are composed mainly of Parachute Creek Chert cores and flakes in all stages of lithic tool manufacture. Figure 1 is a sketch of a knife fragment manufactured from Parachute Creek Formation chert. This scatter appears to be the result of hunting, limited occupation and lithic procurement activities and is probably of Archaic date ranging in age between 1500 and 5000 years old. No artifacts were collected from this site.

This site is a significant cultural resource locus. Extensive subsurface deposits are present and include hearth areas. Some vandalism in the form of collectors piles were noted, however, numerous artifacts and features remain in an undisturbed context. The site qualifies under criterion d of Title 36 CFR 60.6 (see preceding section).

The butte where Unit 34-12J and Site 42DC 780 are located is too restricted to permit relocation of the proposed well pad in such a position as to avoid adverse impact to this cultural resource. Since avoidance is not a viable alternative, Site 42DC 780 will be subjected to primary or direct disturbance and exposed to secondary or indirect destruction (vandalism) should the proposed development of Unit 34-12J be initiated at this location without the implementation of a detailed archaeological recovery program to mitigate these potential adverse impacts.

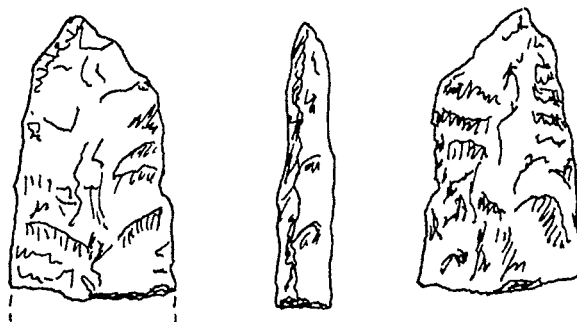


FIGURE 1: Knife Fragment -- Site 42DC 780  
(actual size)

Site 42DC 781 (see Map 2)

Site 42DC 781 consists of a small lithic scatter located outside the development zone of Monument Federal Unit #32-12J. Site 42DC 781 is a 2 x 2 meter scatter of debitage consisting of five primary flakes of Parachute Creek chert. It is located near a rock overhang at the bottom of Castle Peak Draw.

This site is considered to be a non-significant cultural resource since it contains no potential for soil depth, no features, no occupational surfaces, and no diagnostic artifacts. This site does not qualify as a candidate for nomination to the National Register of Historic Places under any of the criteria as established in Title 36 CFR 60.6.

This non-significant site is outside the development area and will not be affected by the proposed development of Unit 32-12J.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

No paleontological loci were observed or recorded during the evaluations.

Six isolated artifacts were recorded during the evaluations. None of these artifacts were collected. A brief description of these six artifacts follows:

Isolate 1410G/x1 (see Figure 2) consists of a non-diagnostic bifacially flaked ignimbrite stone tool. This artifact was located outside the development zone of Unit 44-1J (see Map 1).

Isolate 1410G/x2 (see Figure 3) is a non-diagnostic unifacially retouched flake scraper made from Parachute Creek chert. It was located within the development area for Unit 31-1J (see Map 1).

Isolate 1410G/x3 (see Figure 4) is a primary flake which was also constructed from parachute creek chert. Like Isolate 1410G/x2, this artifact was located within the development zone of Unit 31-1J (see Map 1).

Isolate 1410G/x4 (see Figure 5) consists of a biface blank fragment constructed from parachute creek chert. Like Isolate 1410G/x5, this artifact was located within the development zone of Unit 21-14J (see Map 2).

Isolate 1410G/x5 (see Figure 6) is a secondary flake which was also constructed from parachute creek chert. Like Isolate 1410W/x1, this artifact was located within the development zone of Unit 21-14J (see Map 2).

Isolate 1410W/x1 (see Figure 7) is a biface blank fragment which was also constructed from parachute creek chert. Like Isolates 1410G/x4 and x5, this artifact was located within the development zone of Unit 21-14J (see Map 2).

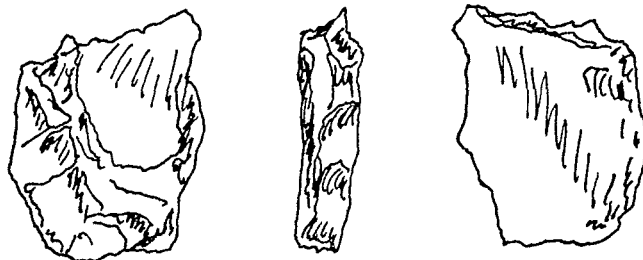


FIGURE 2: Isolated Artifact 1410G/x1  
(actual size)

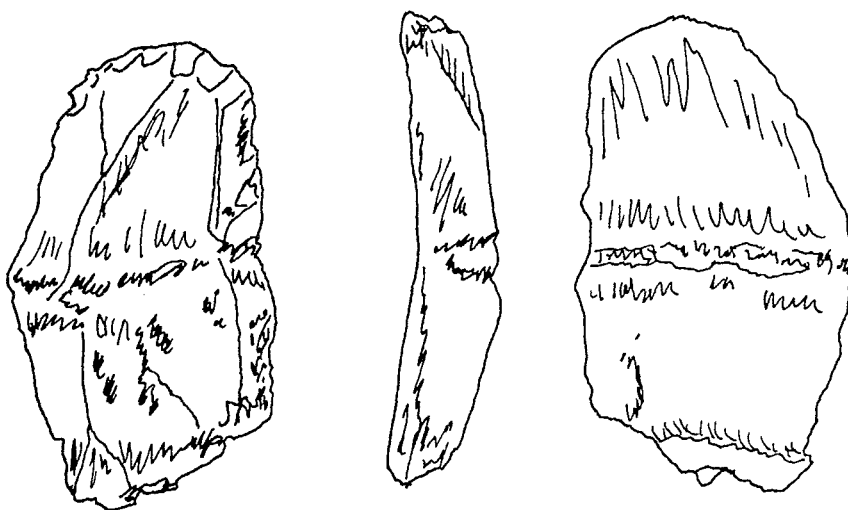


FIGURE 3: Isolated Artifact 1410G/x2  
(actual size)

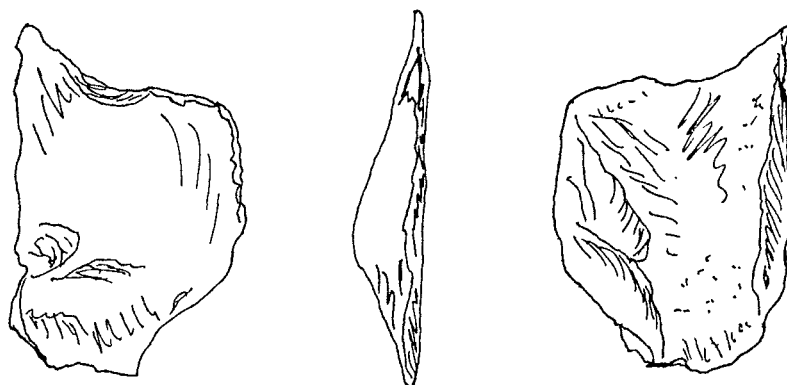


FIGURE 4: Isolated Artifact 1410G/x3  
(actual size)

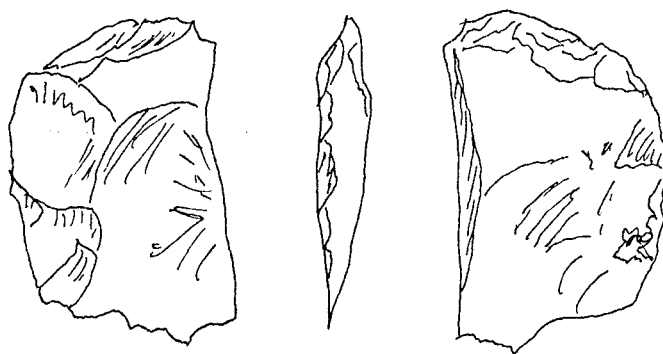


FIGURE 5: Isolated Artifact 1410G/x4  
(actual size)

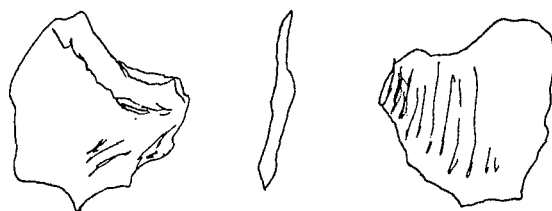


FIGURE 6: Isolated Artifact 1410G/x5  
(actual size)

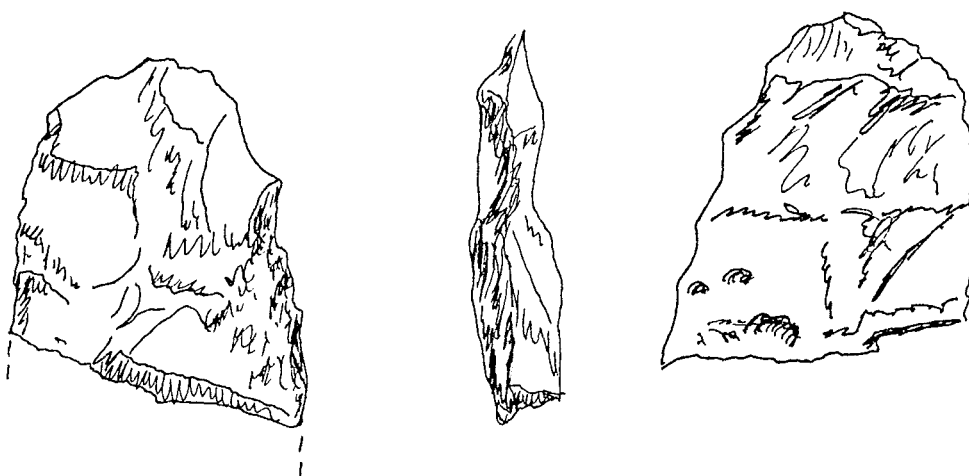


FIGURE 7: Isolated Artifact 1410W/x1  
(actual size)

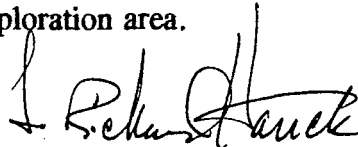
## CONCLUSION AND RECOMMENDATIONS

Site 42DC 780, a significant prehistoric resource, cannot be avoided by moving the location of proposed Unit 34-12J since both the site and the well location occupy the top of an isolated butte. The development of Unit 34-12J will result in the destruction of Site 42DC 780 unless the adverse effect is adequately mitigated through the initiation of an archaeological recovery program.

No known significant cultural or paleontological resources will be adversely impacted during the development and operation of Balcron Units 31-1J, 32-1J, 44-1J, 12-11J, 11-12J, 32-12J, and 21-14J as evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments of these eight proposed drilling locations based upon adherence to the following stipulations:

1. Should Balcron determine that the initiation of drilling activities on Unit 34-12J should proceed, AERC recommends that an extensive testing and artifact recovery program be implemented on this site prior to the construction period. Such a program should map the complete site including a point-plot map of all surface artifacts. In addition, the archaeological recovery program should section existing fire hearths to recover radiometric samples and to document all buried cultural contexts associated with those hearths. The stabilized dune deposits on the site should be test excavated in order to determine the presence of buried cultural contexts which could be disrupted during the construction of adjacent Unit 34-12J or could be vandalized by collectors during the construction phase or after completion of the drilling site.
2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways.
3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## REFERENCES

Hadden, Glade V and F. R. Hauck

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.

- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

November 18, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

We are sending, under separate cover, copies of the archeological survey that has been conducted for the wells on the attached list. These are to be considered a part of the Applications for Permit to Drill those wells.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

cc: Utah Division of Oil, Gas and Mining

RECEIVED

NOV 19 1993

DIVISION OF  
OIL, GAS & MINING

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992

Balcron Monument Federal #44-1J  
SE SE Section 1, T9S, R16E  
Duchesne County, Utah  
338 FSL, 859' FEL  
FLS #U-44426

Balcron Monument Federal #12-11J  
SW NW Section 11, T9S, R16E  
Duchesne County, Utah  
2128' FNL, 689' FWL  
FLS #U-096550

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550

Balcron Monument Federal #32-12J  
SW NE Section 12, T9S, R16E  
Duchesne County, Utah  
1804.8' FNL, 2138.6' FEL  
FLS #U-035521

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah  
517.8' FNL, 1850.2' FWL  
FLS #U-096547

43-013-31421



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

November 22, 1993

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Re: Balcron Monument Federal #21-14J Well, 518' FNL, 1850' FWL, NE NW, Sec. 14,  
T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.



Page 2

Equitable Resources Energy Company  
Balcron Monument Federal #21-14J Well  
November 22, 1993

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31421.

Sincerely,

A handwritten signature in black ink, appearing to read "R.J. Firth", is written over a faint, larger signature.

R.J. Firth  
Associate Director, Oil and Gas

Idc  
Enclosures  
cc: Duchesne County Assessor  
Bureau of Land Management, Vernal  
WOI1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 14, T9S, R16E

517.8' FNL, 1850.2' FWL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #21-14J

9. API Well No.

43-013-31421

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other

identification of chemicals

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached.

RECEIVED

DEC 03 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

December 1, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

ATTACHMENT TO SUNDRY NOTICE

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

Cement (cement and associated additives)  
Crude oil (produced hydrocarbons)  
Diesel (fuels)  
Fly ash (cement and associated additives)  
Gasoline (fuels)  
Hydrochloric acid (acids, organic)  
Lime (cement and associated additives)  
Potassium chloride (salt solutions)

We anticipate that it is possible that the 10,000 pound threshold of the above chemicals could be met or exceeded in these operations. With the exception of crude oil, all chemicals used will be in the normal course of drilling and completion operations and will be provided by service companies subcontracted by the operator. Storage, transportation, and disposal of any of these chemicals will be handled by such service companies. It is anticipated that drilling of this well will produce crude oil.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
/rs

---



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

RECEIVED  
DEC 03 1993

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

DIVISION OF  
OIL, GAS & MINING

December 1, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON monument Federal 21-14J*  
*Sec 14, T 9S, R 16E*  
*43-013-31421*

Gentlemen:

In response to APD deficiency letters for wells on the enclosed list, enclosed are sundry notices giving identification of chemicals. Also noted on that list are specific comments on archeological reports, Plan of Development, and Right-of-Way where applicable. There were three requests for archeological reports which were submitted with the APDs (see EXHIBIT "M" of those APDs). Please confirm that you did receive those with the APDs.

Thank you.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

MONUMENT BUTTE DRILLING PROGRAM

NINTH BATCH

=====

Balcron Monument Federal #32-12J  
SW NE Section 12, T9S, R16E  
Duchesne County, Utah  
1804.8' FNL, 2138.6' FEL  
FLS #U-035521  
PTD: 5,800'  
GL 5413'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #34-12J  
SW SE Section 12, T9S, R16E  
Duchesne County, Utah  
796.4' FSL, 2175.5' FEL  
FLS #U-035521  
PTD: 5,800'  
GL 5524.1'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah  
517.8' FNL, 1850.2' FWL  
FLS #U-096547  
PTD: 5,750'  
GL 5592.5'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #34-10J  
SW SE Section 10, T9S, R16E  
Duchesne County, Utah  
592' FSL, 1979.2' FEL  
FLS #U-017985  
PTD: 5,850'  
GL 5,717.7'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved

Balcron Monument Federal #31-1J  
NW NE Section 1, T9S, R16E  
Duchesne County, Utah  
660' FNL, 1980' FEL  
FLS #U-33992  
PTD: 5,950'  
GL 5368.1'

Archeological Report sent 11/18/93  
POD has been approved  
ROW applied for 11/12/93

Balcron Monument Federal #32-1J  
SW NE Section 1, T9S, R16E  
Duchesne County, Utah  
2143' FNL, 1987' FEL  
FLS #U-33992  
PTD: 5,950'  
GL 5398.4'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #44-1J  
SE SE Section 1, T9S, R16E  
Duchesne County, Utah  
338 FSL, 859' FEL  
FLS #U-44426  
PTD: 5,900'  
GL 5372.1'

Archeological Report sent 11/18/93  
POD has been approved  
New APD face page sent 11/16/93

Balcron Monument Federal #12-11J  
SW NW Section 11, T9S, R16E  
Duchesne County, Utah  
2128' FNL, 689' FWL  
FLS #U-096550  
PTD: 5,700'  
GL 5617.2'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #11-12J  
NW NW Section 12, T9S, R16E  
Duchesne County, Utah  
660' FNL, 660' FWL  
FLS #U-096550  
PTD: 5,900'  
GL 5516.1'

Archeological Report sent 11/18/93  
POD has been approved

Balcron Monument Federal #21-15J  
NE NW Section 15, T9S, R16E  
Duchesne County, Utah  
644.7' FNL, 1830.3' FWL  
FLS #U-017985  
PTD: 5,800'  
GL 5,737.20'

Balcron Monument Federal #43-15J  
NE SE Section 15, T9S, R16E  
Duchesne County, Utah  
1777.9' FSL, 788.4' FEL  
FLS #U-017985  
PTD: 5,700'  
GL 5,701.8'

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved

Archeological Report submitted with  
APD -- see EXHIBIT "M"  
POD has been approved



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

December 8, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

CONFIDENTIAL

Gentlemen:

Enclosed are sundry notices forwarding paleontology reports of wellpad location and access roads for the following:

Balcron Monument Federal #44-1J  
Balcron Monument Federal #34-12J  
Balcron Monument Federal #32-12J  
Balcron Monument Federal #32-1J  
Balcron Monument Federal #31-1J  
Balcron Monument Federal #21-14J 43-013-31421  
Balcron Monument Federal #12-11J  
Balcron Monument Federal #11-12J

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

RECEIVED

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 14, T9S, R16E

517.8' ENL, 1850.2' FWL

5. Lease Designation and Serial No.  
U-096547

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #21-14J

9. API Well No.

43-013-31421

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other paleo report  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the paleontology report of the wellpad location and access road.

RECEIVED

DEC 10 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date December 8, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

BALCRON OIL

Balcron Monument Federal #21-14J

NE NW Section 14, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

DECEMBER 1, 1993

# RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT FEDERAL #21-14J

## Description of Geology and Topography-

This location is about 11 miles south and 1 mile west of Myton, Utah. It sits on a low, fairly flat ridge which slopes gently to the northwest. Drainage is to the north in to an east-west draw. Castle Peak Draw is immediately south of the location. The access road starts out over sandy alluvium and climbs northeast up over a sandstone layer and then a greenish mudstone near the top. Most of the surface at the wellpad is covered with eroded rock fragments and sand. A small gully at the southeast corner of the pit exposes a green sandy mudstone.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.

## Paleontological material found -

There are several turtle shell sites along the small ridge east of the location, but nothing was found on the wellpad or the access road.

One turtle is eroding out 80 yards, 102 degrees east from the center stake. These are rusty-white pieces of shell up to 1.5 x 2 inches and .5 inches thick. They appear somewhat preweathered (prior to deposition) as well as having some recent weathering. There are a few more scattered fragments here and there as one follows the layer northwest 50 yards to the end of the ridge. One turtle shell fragment was noted 40 feet south of the access road.

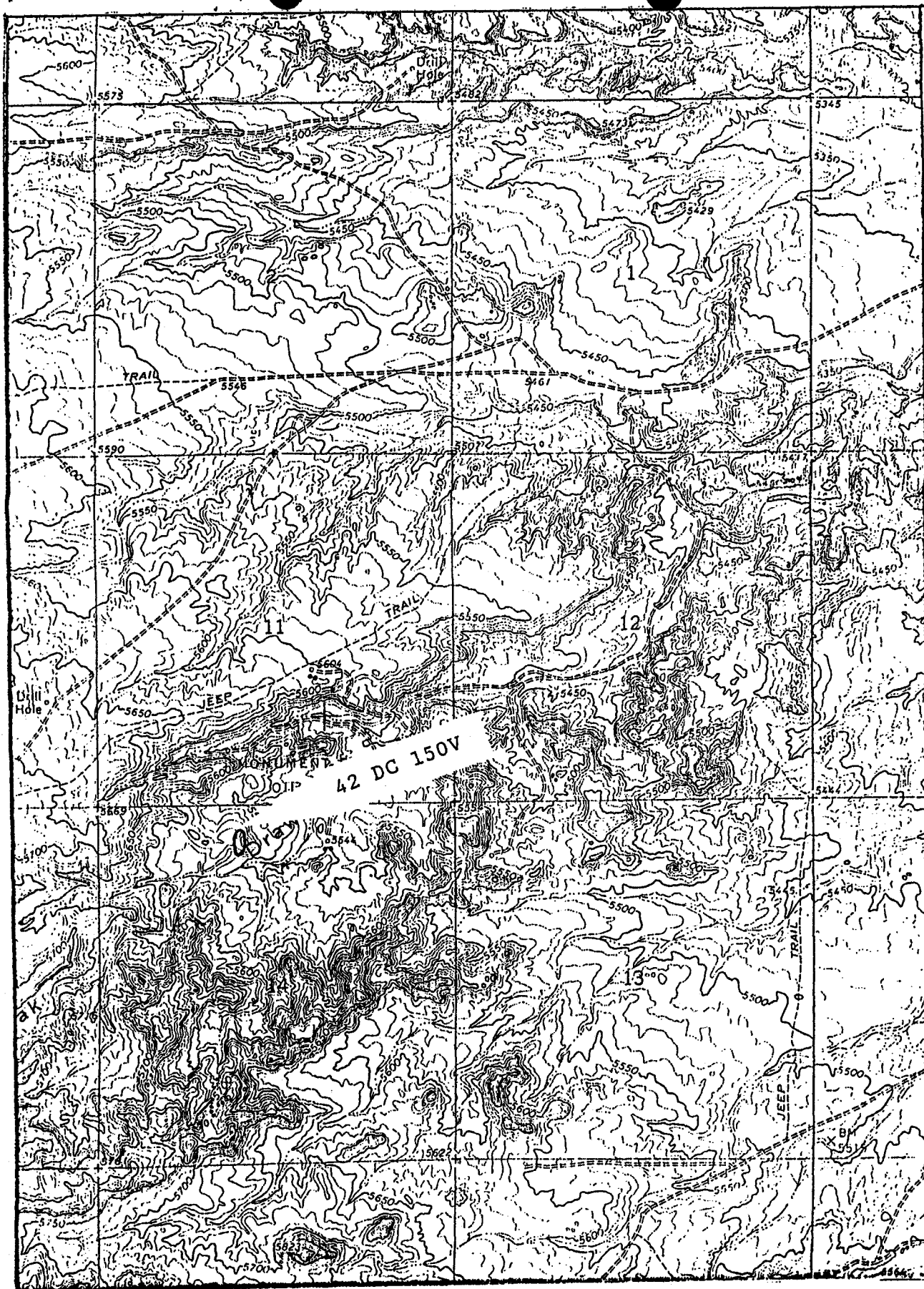
## Recommendations-

No recommendations are made for this location or access road.

Alfred H. Hamblin  
Paleontologist

Date December 6, 1993

<b>PALEONTOLOGY LOCALITY</b> <b>Data Sheet</b>					Page 1 of 1 plus map												
					State Local. No. 42 DC 150V												
					Agency No.												
					Temp. No BALCRON MONUMENT BUTTE FEDERAL #21-14J												
1. Type of locality Invertebrate		Plant		Vertebrate		X		Trace		Other _____							
2. Formation: UINTA				Horizon: "B"				Geologic Age: Late Eocene									
<b>3. Description of Geology and Topography:</b> The well location sits on a low, fairly flat ridge which slopes gently to the northwest. Drainage is to the north in to an east-west draw. Castle Peak Draw is immediately south of the location. The access road starts out over sandy alluvium and climbs northeast up over a sandstone layer and then a greenish mudstone near the top. Most of the surface at the wellpad is covered with eroded rock fragments and sand. A small gully at the southeast corner of the pit exposes a green sandy mudstone.  All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.																	
4. Location of Outcrop: 11 miles south and 1 mile west of Myton, Utah.																	
5. Map Ref.		USGS Quad		Myton SE, Utah			Scale		7.5 Min		Edition 1964						
SW/NE	of	NE1/4	of	NW1/4	of Sectn	14	T	9 S	R	16E	Meridn	SLB					
6. State: UTAH		County: DUCHESNE COUNTY			BLM/FS District: VERNAL- DIAMOND MT.												
7. Specimens Collected and Field Accession No.																	
8. Repository:																	
<b>9. Specimens Observed and Disposition:</b> One turtle is eroding out 80 yards, 102 degree east from the center stake. These are rusty-white pieces of shell up to 1.5 x 2 inches and .5 inches thick. They appear somewhat preweathered (prior to deposition) as well as having some recent weathering. There are a few more scattered fragments here and there as one follows the layer northwest 50 yards to the end of the ridge. One turtle shell fragment was noted 40 feet south of the access road.																	
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL		OTHR	
<b>11.Recommendations for Further Work or Mitigation:</b> There are several turtle shell sites along the small ridge east of the location, but nothing was found on the wellpad or the access road. No recommendations are made for this well location or access road.																	
12.Type of Map Made by Recorder:																	
13.Disposition of Photo Negatives:																	
<b>14.Published References:</b> Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming.																	
15.Remarks:																	
16.Sensitivity:		Critical		Significant		Important		X		Insignificant							
17.Recorded by: Alden Hamblin, Paleontologist						Date: October 27, 1993											



42 DC 150V

BALCON OIL MONUMENT BUTTE FEDERAL #21-14J  
NE NW SEC. 14, T9S, R16E, SLB&M MYTON SE, UT QUAD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

517.8' FNL, 1850.2' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 16 miles SW of Myton, UT

16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

~~6,000~~ 5,750'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5592.5' GL

22. APPROX. DATE WORK WILL START\*

Upon APD Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM  
"B" PROPOSED SURFACE USE PROGRAM  
"C" GEOLOGIC PROGNOSIS  
"D" DRILLING PROGRAM/CASING DESIGN  
"E" EVIDENCE OF BOND COVERAGE  
"F" SURVEY PLAT

"G" RIG LAYOUT  
"H" BOPE DIAGRAM  
"I" EXISTING ROADS (Map A)  
"J" PLANNED ACCESS (Map B)  
"K" EXISTING WELLS (Map C)  
"L" CUT & FILL DIAGRAM

RECEIVED

OCT 27 1993

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Bobbie Schuman*

TITLE

Coordinator of Environmental  
and Regulatory Affairs

DATE

*October 20, 1993*

*Bobbie Schuman*

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

ASSISTANT DISTRICT  
MANAGER MINING

DATE

CONDITIONS OF APPROVAL, IF ANY:

DEC 20 1993

NOTICE OF

\*See Instructions On Reverse Side

DIVISION OF  
OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Div O&M

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 21-14J

API Number: 43-013-31421

Lease Number: U-096547

Location: NENW Sec. 14 T. 9S R. 16E

Surface Ownership: Federal Lands administered by BLM

**NOTIFICATION REQUIREMENTS**

- |                                 |   |                                                                                                                                               |
|---------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.                                                           |
| Location Completion             | - | prior to moving on the drilling rig.                                                                                                          |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.                                                                                   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.                                                     |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.                                                                           |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 2,208$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2,008$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka      (801) 781-1190  
Petroleum Engineer

Ed Forsman              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

## **EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES**

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PLAN OF OPERATION**  
**Conditions of Approval (COAs)**

Methods for Handling Waste Disposal

The reserve pit liner will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Additional Surface Conditions of Approval

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 twenty-four to forty-eight (24-48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling the reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

Waiver of Fencing Around Containment Tanks.

Well No. 21-14J Lease No. 11-096547 Date. 10-15-93

Balcron Oil Division's operation supervisor has requested to modify fencing around small containment tanks for the above well location. The purpose of the BLM fencing standards are to prevent injury to livestock or wildlife by entering pits which may contain fluids. Balcron's present method of placing 100 barrel tanks covered with metal cross supports and wire mesh within earthen depressions accomplishes this purpose. **This method of containment does not need fencing.** Balcron will need to maintain at least one side of the earthen depression the tank rests in at less than a 1:1 slope to allow escape if needed and any hydrocarbons that enter the depression must be considered a spill and removed within 48 hours.

Stanley R. Olmstead  
Natural Resource Protection Spec.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 21-14J

API NO. 43-013-31421

Section 14 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 2/9/94

Time NOON

How DRY HOLE

Drilling will commence

Reported by DENNIS INGRAM-DOGM

Telephone #

Date 2/9/94 SIGNED JLT

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11492	43-013-31421	Balcron Monument Federal #21-14J	NE NW	14	9S	16E	Duchesne	2-9-94	2-9-94
WELL 1 COMMENTS: Spud of a new well, please add to existing Jonah Unit. <i>Entity added 2-15-94. Jee</i>											
WELL 2 COMMENTS: <div style="text-align: center;"><b>RECEIVED</b> FEB 11 1994 DIVISION OF OIL GAS &amp; MINING</div>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

## ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Date: 2-9-94

*Bobbie Schuman*  
Signature  
Coordinator of Environmental and  
Regulatory Affairs  
Title \_\_\_\_\_ Date \_\_\_\_\_

Phone No. (406 ) 259-7860

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-096547
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE NW Section 14, T9S, R16E 517.8' FNL, 1850.2' FWL	8. Well Name and No. Balcron Monument Federal #21-14J
	9. API Well No. 43-013-31421
	10. Field and Pool, or Exploratory Area Monument Butte/ Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Report of Spud.	<input type="checkbox"/> Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well spud at 12:00 noon on 2-9-94 by Leon Ross Air Drilling.

RECEIVED

FEB 11 1994

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct		
Signed <u>Bobbie Schuman</u>	Title <u>Coordinator of Environmental and Regulatory Affairs</u>	Date <u>2-9-94</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E

Duchesne County, Utah

517.8' FNL, 1850.2' FWL

PTD: 5750' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5592.5' GL

Contractor:

Operator: Balcron/EREC

Spud: 2-9-94 @ 12 noon (Leon Ross)

Casing: 8-5/8" 24# J-55 @ 256'KB

## Tubing:

12-21-93 thru 1-6-94 Start &amp; finish location.

2-9-94 Move Leon Ross Drilling on &amp; spud @ 12 noon.

2-10-94 Run 5 jts 8-5/8" csg &amp; cmt as follows:

Guide Shoe .60'

1 jt 8-5/8" 24# shoe jt 42.35'

Baffle Plate ----

5 jts 8-5/8" 24# J-55 csg 205.45'

248.40'

Set @ 246, Union Drilling KB(10') 256'KB

(3 Centralizers)

Cmt by Western w/150 sxs Class "G" w/additives. Did not get returns. Couldn't get but 50' of 1" pipe in. Cmt w/another 150 sxs cmt w/additives. Good circ &amp; good cmt to surface. Plug down @ 12 noon 2-10-94. Second stage over @ 5:30 p.m.

DC: \$22,893

CC: \$22,893

3-23-93 Present Operation: NU BOP.

Rig down rig &amp; move. RU, very windy &amp; had just enough rain to settle dust.

DC: \$4,600

CC: \$27,493

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

517.8' FNL, 1850.2' FWL

PTD: 5750' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5592.5' GL

Contractor:

Operator: Balcron/EREC

Spud: 2-9-94 @ 12 noon (Leon Ross)

Casing: 8-5/8" 24# J-55 @ 256'KB

**Tubing:**

12-21-93 thru 1-6-94 Start & finish location.

2-9-94 Move Leon Ross Drilling on & spud @ 12 noon.

2-10-94 Run 5 jts 8-5/8" csg & cmt as follows:

Guide Shoe	.60'
1 jt 8-5/8" 24# shoe jt	42.35'
Baffle Plate	----
5 jts 8-5/8" 24# J-55 csg	205.45'
	248.40'

Set @ 246, Union Drilling KB(10') 256'KB  
(3 Centralizers)

Cmt by Western w/150 sxs Class "G" w/additives. Did not get returns. Couldn't get but 50' of 1" pipe in. Cmt w/another 150 sxs cmt w/additives. Good circ & good cmt to surface. Plug down @ 12 noon 2-10-94. Second stage over @ 5:30 p.m.  
DC: \$22,893 CC: \$22,893

3-23-93 Present Operation: NU BOP.  
Rig down rig & move. RU, very windy & had just enough rain to settle dust.  
DC: \$4,600 CC: \$27,493

3-24-94 TD: 1,280' (1,024') Day 1  
Formation: Uintah  
MW 8.3 VIS 26  
Present Operation: Run survey.  
NU BOP & test to 2000# - OK. Test surface pipe to 1500# - OK. PU drill collars & drill cmt. Drill, survey & clean on rig.  
DC: \$14,078 CC: \$41,571

DAILY OPERATING REPORTBALCON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

4-1-94 TD: 5,750' (0') Day 9  
Formation: Green River  
Present Operation: RDMO.  
LD drill pipe & collars. Change pipe rams in BOP. Test to 2000# -  
OK. Run 132 jts 5-1/2" csg & cmt as follows:  
Shoe .60'  
1 jt 5-1/2" 15.5# shoe jt 43.07'  
Float Collar 1.00'  
131 jts 5-1/2" 15.5# K-55 5678.90'  
5723.57'  
Landing jt 9.00'  
Casing set @ 5732.57'KB  
PBSD @ 5687.90'KB  
20 centralizers.  
Cement by Western w/160 sxs Thrifty-lite & tail w/270 sxs 50-50  
POZ. Set slips, ND & clean mud tanks. RD. Plug down @ 5:15 p.m.  
3-31-94, Rig Released @ 9 p.m. 3-31-94.  
DC: \$51,641 CC: \$187,644

4-4-94 Completion  
Dress up location. Set rig anchors. MI Cannon Well Service Rig  
#2. MI & set rig pump tank, & frac tank. Fill frac tank w/2% KCL  
wtr, MI tbq. RU Schlumberger to run bond log. Log from PBSD to  
2000' from surface, cmt top @ 2100'KB. SDFD. Could not RU due to  
high winds.  
DC: \$4,939 CC: \$192,583

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E

Duchesne County, Utah

517.8' FNL, 1850.2' FWL

PTD: 5750' Formation: Green River

Jonah Unit / Monument Butte Field

Elevations: 5592.5' GL

Contractor:

Operator: Balcron/EREC

Spud: 2-9-94 @ 12 noon (Leon Ross)

Casing: 8-5/8" 24# J-55 @ 256'KB

Tubing:

12-21-93 thru 1-6-94 Start &amp; finish location.

2-9-94 Move Leon Ross Drilling on &amp; spud @ 12 noon.

2-10-94 Run 5 jts 8-5/8" csg &amp; cmt as follows:

Guide Shoe .60'

1 jt 8-5/8" 24# shoe jt 42.35'

Baffle Plate ----

5 jts 8-5/8" 24# J-55 csg 205.45'

248.40'

Set @ 246, Union Drilling KB(10') 256'KB

(3 Centralizers)

Cmt by Western w/150 sxs Class "G" w/additives. Did not get returns. Couldn't get but 50' of 1" pipe in. Cmt w/another 150 sxs cmt w/additives. Good circ & good cmt to surface. Plug down @ 12 noon 2-10-94. Second stage over @ 5:30 p.m.

DC: \$22,893

CC: \$22,893

3-23-93 Present Operation: NU BOP.

Rig down rig & move. RU, very windy & had just enough rain to settle dust.

DC: \$4,600

CC: \$27,493

3-24-94 TD: 1,280' (1,024') Day 1

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Run survey.

NU BOP & test to 2000# - OK. Test surface pipe to 1500# - OK. PU drill collars & drill cmt. Drill, survey & clean on rig.

DC: \$14,078

CC: \$41,571

3-25-94 TD: 2,508' (1,228') Day 2

Formation: Green River

MW 8.4 VIS 26

Present Operation: Drilling

Drill, survey, repair hydramatic clutch, & drill ahead.

DC: \$16,767

CC: \$58,338

**DAILY OPERATING REPORT****BALCROON MONUMENT FEDERAL #21-14J**

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

3-26-94 TD: 3,638' (1,130') Day 3  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$15,291 CC: \$73,629

3-27-94 TD: 4,228' (590') Day 4  
Formation: Yellow Zone  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, load hole, circ, TOH for bit, TIH & drill ahead & survey.  
DC: \$8,992 CC: \$82,621

3-28-94 TD: 4,775' (547') Day 5  
Formation: Red Zone  
MW 8.4 VIS 26 pH 9.7  
Present Operation: Drilling  
Drill, survey & clean on rig.  
DC: \$8,432 CC: \$91,053

3-29-94 TD: 5,286' (511') Day 6  
Formation: Green Zone  
MW 8.4 VIS 27 pH 10  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$9,160 CC: \$100,213

DAILY OPERATING REPORTBALCORN MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

3-26-94 TD: 3,638' (1,130') Day 3  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$15,291 CC: \$73,629

3-27-94 TD: 4,228' (590') Day 4  
Formation: Yellow Zone  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, load hole, circ, TOH for bit, TIH & drill ahead & survey.  
DC: \$8,992 CC: \$82,621

3-28-94 TD: 4,775' (547') Day 5  
Formation: Red Zone  
MW 8.4 VIS 26 pH 9.7  
Present Operation: Drilling  
Drill, survey & clean on rig.  
DC: \$8,432 CC: \$91,053

3-29-94 TD: 5,286' (511') Day 6  
Formation: Green Zone  
MW 8.4 VIS 27 pH 10  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$9,160 CC: \$100,213

3-30-94 TD: 5,750' (464') Day 7  
Formation: Green River  
MW 8.4 VIS 26 pH 9.8  
Present Operation: Circ for logs.  
Drill, survey, clean on rig & survey.  
DC: \$7,485 CC: \$107,698

3-31-94 TD: 5,750' (0') Day 8  
Formation: Green River  
MW 8.4 VIS 26 pH 9.8  
Present Operation: TIH.  
Circ for logs, TOOH, & log well. TIH.  
DC: \$28,305 CC: \$136,003

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

4-1-94 TD: 5,750' (0') Day 9  
Formation: Green River  
Present Operation: RDMO.  
LD drill pipe & collars. Change pipe rams in BOP. Test to 2000# -  
OK. Run 132 jts 5-1/2" csg & cmt as follows:

Shoe	.60'
1 jt 5-1/2" 15.5# shoe jt	43.07'
Float Collar	1.00'
131 jts 5-1/2" 15.5# K-55	<u>5678.90'</u>
	5723.57'
Landing jt	9.00'
Casing set @	5732.57'KB
PBTD @	5687.90'KB

20 centralizers.  
Cement by Western w/160 sxs Thrifty-lite & tail w/270 sxs 50-50  
POZ. Set slips, ND & clean mud tanks. RD. Plug down @ 5:15 p.m.  
3-31-94, Rig Released @ 9 p.m. 3-31-94.  
DC: \$51,641 CC: \$187,644

**DAILY OPERATING REPORT****BALCORN MONUMENT FEDERAL #21-14J****Location: NE NW Section 14, T9S, R16E****Duchesne County, Utah****---TIGHT HOLE---**

4-1-94 TD: 5,750' (0') Day 9  
 Formation: Green River  
 Present Operation: RDMO.  
 LD drill pipe & collars. Change pipe rams in BOP. Test to 2000# -  
 OK. Run 132 jts 5-1/2" csg & cmt as follows:  
 Shoe .60'  
 1 jt 5-1/2" 15.5# shoe jt 43.07'  
 Float Collar 1.00'  
 131 jts 5-1/2" 15.5# K-55 5678.90'  
 5723.57'  
 Landing jt 9.00'  
 Casing set @ 5732.57'KB  
 PBTD @ 5687.90'KB  
 20 centralizers.  
 Cement by Western w/160 sxs Thrifty-lite & tail w/270 sxs 50-50  
 POZ. Set slips, ND & clean mud tanks. RD. Plug down @ 5:15 p.m.  
 3-31-94, Rig Released @ 9 p.m. 3-31-94.  
 DC: \$51,641 CC: \$187,644

4-4-94 Completion  
 Dress up location. Set rig anchors. MI Cannon Well Service Rig  
 #2. MI & set rig pump tank, & frac tank. Fill frac tank w/2% KCL  
 wtr, MI tbq. RU Schlumberger to run bond log. Log from PBTD to  
 2000' from surface, cmt top @ 2100'KB. SDFD. Could not RU due to  
 high winds.  
 DC: \$4,939 CC: \$192,583

4-5-94 Completion  
 RU Cannon Well Service Rig #2. TIH w/csg scraper & 2-7/8" tbq.  
 Tag PBTD @ 5688'KB. Circ well clean w/125 bbls of 2% KCL wtr.  
 TOOH w/tbg & scraper. RU Schlumberger to perf 5057'-68'. RD  
 Schlumberger. RU Western to do HCL break down on 5057'-68' refer  
 to treatment report. Change out valve on csg head. SWIFN.  
 DC: \$13,031 CC: \$205,614



**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCON OIL DIVISION  
1601 Leach Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Date of Treatment: 4-5-94

Well Name Monument sec. 21-14 J SEC. 14 TWN. 9 S RNG. 16 E  
Field Monument Butte County Duchesne State Utah

Formation/Perforations: Green River / 5057-68

Treatment type: HCL Break Down

Total Number of Holes: 44

Treatment Company: Western

## Sand Characteristics

Volume	Fluid	Conc.	Size	Volume
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____

TOTAL FLUID PUMPED: 500 gal. 15 % HCL Acid fluid  
\_\_\_\_\_ gal.

TOTAL SAND VOL.: \_\_\_\_\_ lbs. 1 sand  
\_\_\_\_\_ lbs. 1 sand  
\_\_\_\_\_ lbs. 1 sand  
\_\_\_\_\_ lbs. 1 bauxite

Flushed well with \_\_\_\_\_ gal. of \_\_\_\_\_  
\_\_\_\_\_ ball sealers were pumped. Was ball action seen? HH HH HH HH H  
Barrels of Load to Recover \_\_\_\_\_ BDR. BALL OFF

Avg. Treating Pressure = \_\_\_\_\_ psi, max = \_\_\_\_\_ psi, min = \_\_\_\_\_ psi.  
Avg. Treating Rate = \_\_\_\_\_ bpm, max = \_\_\_\_\_ bpm, min = \_\_\_\_\_ bpm.  
ISIP = 1000 psi, 5 min. = \_\_\_\_\_ psi, 10 min. = \_\_\_\_\_ psi, 15 min. = \_\_\_\_\_ psi.  
Well will be shut in for \_\_\_\_\_ hrs. before bringing back fluid.

REMARKS: SPOT ACID AT EOT. SHUT Cap. Valve. start Break Down  
INITIAL BREAK AT 2900 PSI, PUMP AT 4 BPM  
BACK TO 2000 PSI AT 6 BPM.  
SURGE BALL OFF, PUMP FOR RATE 6.4 BPM AT 2400 PSI, DN. TEG,  
PUMP FOR RATE DOWN ANNULUS, 6 BPM AT 1300 PSI.

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

- 4-1-94 TD: 5,750' (0') Day 9  
Formation: Green River  
Present Operation: RDMO.  
LD drill pipe & collars. Change pipe rams in BOP. Test to 2000# -  
OK. Run 132 jts 5-1/2" csg & cmt as follows:  
Shoe .60'  
1 jt 5-1/2" 15.5# shoe jt 43.07'  
Float Collar 1.00'  
131 jts 5-1/2" 15.5# K-55 5678.90'  
5723.57'  
Landing jt 9.00'  
Casing set @ 5732.57'KB  
PBTD @ 5687.90'KB  
20 centralizers.  
Cement by Western w/160 sxs Thrifty-lite & tail w/270 sxs 50-50  
POZ. Set slips, ND & clean mud tanks. RD. Plug down @ 5:15 p.m.  
3-31-94, Rig Released @ 9 p.m. 3-31-94.  
DC: \$51,641 CC: \$187,644
- 4-4-94 Completion  
Dress up location. Set rig anchors. MI Cannon Well Service Rig  
#2. MI & set rig pump tank, & frac tank. Fill frac tank w/2% KCL  
wtr, MI tbq. RU Schlumberger to run bond log. Log from PBTD to  
2000' from surface, cmt top @ 2100'KB. SDFD. Could not RU due to  
high winds.  
DC: \$4,939 CC: \$192,583
- 4-5-94 Completion  
RU Cannon Well Service Rig #2. TIH w/csg scraper & 2-7/8" tbq.  
Tag PBTD @ 5688'KB. Circ well clean w/125 bbls of 2% KCL wtr.  
TOOH w/tbg & scraper. RU Schlumberger to perf 5057'-68'. RD  
Schlumberger. RU Western to do HCL break down on 5057'-68' refer  
to treatment report. Change out valve on csg head. SWIFN.  
DC: \$13,031 CC: \$205,614
- 4-6-94 Completion  
TOOH w/tbg & retrieving head, TIH w/158 jts 2-7/8" tbq, EOT  
at 4946'KB. RU Western to frac, 5057'-5068'. Dead string  
frac. Refer to treatment report. RD Western. SWIFD.  
DC: \$23,154 CC: \$228,768
- 4-7-94 Completion  
CP & TP - vac. Tag sand @ 5044'KB, circ down to 5097'KB. TOOH  
w/tbg, TIH w/retrieving head, 4'x2-7/8" sub, HD packer, SN & 161  
jts 2-7/8" tbq, set packer, @ 5041'KB. Made 26 swab runs,  
recovered 156 bbl fluid, trace of oil. SWIFN.  
DC: \$1,757 CC: \$230,525



**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Well Name Monument Red, 21-145 Date of Treatment: 4-6-94  
Field Monument Butte County Duchesne State Utah SEC. 14 TWN. 9S RNG. 16E  
Formation/Perforations: Green River / 5057-68

Treatment type: SAND PACC / DUAL TRACK Total Number of Holes: 44  
Treatment Company: WESTERN / PROTECHNICS

Volume		Fluid	Conc.	Sand Characteristics		
				Size	Volume	
	Gal.			BPM	PSI	
	Gal.					
<u>4494</u>	Gal.	<u>2% KCL WATER PADO</u>		<u>20.3</u>	<u>3450</u>	
<u>420</u>	Gal.	<u>"</u>	<u>2 #</u>	<u>24.7</u>	<u>3400</u>	<u>20140</u> <u>800</u> #
<u>588</u>	Gal.	<u>"</u>	<u>3 #</u>	<u>23.8</u>	<u>3300</u>	<u>20140</u> <u>1764</u> #
<u>1176</u>	Gal.	<u>"</u>	<u>4 #</u>	<u>24.6</u>	<u>3250</u>	<u>20140</u> <u>4790</u> #
<u>1596</u>	Gal.	<u>"</u>	<u>5 #</u>	<u>24.7</u>	<u>3340</u>	<u>20140</u> <u>8646</u> #
<u>1638</u>	Gal.	<u>"</u>	<u>6 #</u>	<u>24.6</u>	<u>3400</u>	<u>16130</u> <u>15000</u> #
<u>3444</u>	Gal.	<u>" FLUSH</u>	<u>0</u>	<u>24.8</u>	<u>3500</u>	<u>1</u> #
	Gal.					<u>1</u> #
	Gal.					<u>1</u> #
	Gal.					<u>1</u> #

TOTAL FLUID PUMPED: 14994 gal. 2% KCL WATER Acid fluid

TOTAL SAND VOL.: 16000 lbs. 20140 sand  
15000 lbs. 16130 sand  
lbs. 1 sand  
lbs. 1 bauxite

Flushed well with 3444 gal. of 2% KCL WATER

ball sealers were pumped. Was ball action seen?

Barrels of Load to Recover 357 BLTR.  
Avg. Treating Pressure = 3200 psi, max = 3500 psi, min = 3050 psi.  
Avg. Treating Rate = 24 bpm, max = 25.0 bpm, min = 20.3 bpm.  
ISIP = 2000 psi, 5 min. = 1950 psi, 10 min. = 1700 psi, 15 min. = 1650 psi.  
Well will be shut in for 19 1/2 hrs. before bringing back fluid.

REMARKS: Had instrument problems on frac. Equip.

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

4-8-94

## Completion

CP & TP - 3 psi. Made 12 swab runs. Recovered 72 bbls fluid, 1% oil & 99% wtr. Fluid level stable @ 3800' last 3 runs - no sand. Release packer, tag sand @ 5065', circ down to 5097', release BP. Reset BP @ 4672'. TOOH w/tbg, seat nipple, HD packer, & retrieving tool. RU Schlumberger to perf 4608'-12' (4 SPF). RD Schlumberger. TIH w/144 jts 2-7/8" tbg, one 2-7/8"x10' blast jt, EOT @ 4514'. SWIFN.

DC: \$2,702

CC: \$233,227





**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Date of Treatment: 4-11-94

Well Name Monument Federal 21-14J SEC. 14 TWN. 9S RNG. 11E  
Field Monument Butte County Duchsene State MT

Formation/Perforations: Green River / 4608-12

Treatment type: HCL Breakdown Total Number of Holes: 11  
Treatment Company: Western

		Sand Characteristics	
Volume	Fluid	Size	Volume
Gal.			
Gal.			
Gal.			
Gal.			#
Gal.			#
Gal.			#
Gal.			#
Gal.			#
Gal.			#
Gal.			#
Gal.			#

TOTAL FLUID PUMPED: 500 gal. 15 % HCL Acid fluid

TOTAL SAND VOL.: 1 lbs. sand  
1 lbs. sand  
1 lbs. sand  
1 lbs. bauxite

Flushed well with 32 gal. of ball sealers were pumped. Was ball action seen? YES  
Barrels of Load to Recover 63 BLR.

Avg. Treating Pressure = 3200 psl, max = 5000 psl, min = 400 psl.  
Avg. Treating Rate = 4.0 bpm, max = 4.0 bpm, min = 4.0 bpm.  
ISIP = 1400 psl, 5 min. =        psl, 10 min. =        psl, 15 min. =        psl.  
Well will be shut in for 0 hrs. before bringing back fluid.

REMARKS: Spot acid at end of tubing.  
Initial break at 3200 PSI at 3.6 Bbl/min  
Back to 1900 PSI at 4.8 Bbl/min  
Surge Balls off pump for rate 25 Bbl/min at 4670 PSI (Bm/lus)

Well site Supervisor: D. D. Smith

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

- 4-8-94 Completion  
CP & TP - 3 psi. Made 12 swab runs. Recovered 72 bbls fluid, 1% oil & 99% wtr. Fluid level stable @ 3800' last 3 runs - no sand. Release packer, tag sand @ 5065', circ down to 5097', release BP. Reset BP @ 4672'. TOOH w/tbg, seat nipple, HD packer, & retrieving tool. RU Schlumberger to perf 4608'-12' (4 SPF). RD Schlumberger. TIH w/144 jts 2-7/8" tbg, one 2-7/8"x10' blast jt, EOT @ 4514'. SWIFD.  
DC: \$2,702 CC: \$233,227
- 4-11-94 Completion  
RU Western to break down 4608'-12' refer to treatment report. RU Western to frac 4608'-12' refer to treatment report. SWIFD.  
DC: \$22,724 CC: \$255,951
- 4-12-94 Completion  
CP & TP - vac. Tag sand @ 4600'KB. Circ down to BP @ 4672'KB. TOOH w/tbg. TIH w/retrieving head, 2-7/8" x 4' sub, HD packer, SN & 146 jts 2-7/8" tbg. Set packer @ 4535'KB, EOT @ 4544'KB. Made 18 swab runs, recovered 100 bbls fluid, trace oil, 100% water. Last 2 runs fluid stable @ 3100', no sand. Release packer, tag sand @ 4615'KB, circ down to BP @ 4672'KB, TOOH w/tbg, packer & BP. SWIFD.  
DC: \$1,721 CC: \$257,672

**---TIGHT HOLE---**

4-8-94 Completion  
CP & TP - 3 psi. Made 12 swab runs. Recovered 72 bbls fluid, 1% oil & 99% wtr. Fluid level stable @ 3800' last 3 runs - no sand. Release packer, tag sand @ 5065', circ down to 5097', release BP. Reset BP @ 4672'. TOOH w/tbg, seat nipple, HD packer, & retrieving tool. RU Schlumberger to perf 4608'-12' (4 SPF). RD Schlumberger. TIH w/144 jts 2-7/8" tbg, one 2-7/8"x10' blast jt, EOT @ 4514'. SWIFN.  
DC: \$2,702 CC: \$233,227

4-11-94 Completion  
RU Western to break down 4608'-12' refer to treatment report. RU Western to frac 4608'-12' refer to treatment report. SWIFD.  
DC: \$22,724 CC: \$255,951

**DAILY OPERATING REPORT****BALCROON MONUMENT FEDERAL #21-14J**

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

- 4-8-94 Completion  
CP & TP - 3 psi. Made 12 swab runs. Recovered 72 bbls fluid, 1% oil & 99% wtr. Fluid level stable @ 3800' last 3 runs - no sand. Release packer, tag sand @ 5065', circ down to 5097', release BP. Reset BP @ 4672'. TOOH w/tbg, seat nipple, HD packer, & retrieving tool. RU Schlumberger to perf 4608'-12' (4 SPF). RD Schlumberger. TIH w/144 jts 2-7/8" tbg, one 2-7/8"x10' blast jt, EOT @ 4514'. SWIFN.  
DC: \$2,702 CC: \$233,227
- 4-11-94 Completion  
RU Western to break down 4608'-12' refer to treatment report. RU Western to frac 4608'-12' refer to treatment report. SWIFD.  
DC: \$22,724 CC: \$255,951
- 4-12-94 Completion  
CP & TP - vac. Tag sand @ 4600'KB. Circ down to BP @ 4672'KB. TOOH w/tbg. TIH w/retrieving head, 2-7/8" x 4' sub, HD packer, SN & 146 jts 2-7/8" tbg. Set packer @ 4535'KB, EOT @ 4544'KB. Made 18 swab runs, recovered 100 bbls fluid, trace oil, 100% water. Last 2 runs fluid stable @ 3100', no sand. Release packer, tag sand @ 4615'KB, circ down to BP @ 4672'KB, TOOH w/tbg, packer & BP. SWIFD.  
DC: \$1,721 CC: \$257,672
- 4-13-94 Completion  
RU Schlumberger to run trace log on 5057'-68' & 4608'-12'. RD Schlumberger. TIH w/production string as follows:
- |                                  | Length   | Depth KB |
|----------------------------------|----------|----------|
| 1 jt 2-7/8" J-55 6.5# EUE 8rd    | 30.32'   | 5131.69' |
| 1 Perf Sub 2-7/8" x 3'           | 3.20'    | 5101.37' |
| 1 Seat Nipple 2-7/8" x 1.10'     | 1.10'    | 5098.17' |
| 17 jts 2-7/8" J-55 6.5# EUE 8rd  | 525.68'  | 5097.07' |
| 1 Tbg Anchor 2-7/8" x 5-1/2"     | 2.35'    | 4571.39' |
| 146 jts 2-7/8" J-55 6.5# EUE 8rd | 4559.04' | 4569.04' |
| Union Drilling Rig #17 KB        | 10.00'   |          |
- ND BOP, NU Wellhead. Set tbg anchor. TIH w/production rod string as follow:  
1 1-1/4" x 22' Polish Rod SM  
1 3/4" x 4' Pony  
2 3/4" x 8' Ponies  
202 3/4" x 25' Plain Rods D-61  
BHP 2-1/2"x1-1/2"x16' RWAC w/PA plunger, pump # 1047.  
Pressure test tbg & BHP to 1000 psi - OK. Clamp rods off. RDMO. SWI. WO surface equipment.  
DC: \$24,740 CC: \$282,412

DAILY OPERATING REPORTBALCORN MONUMENT FEDERAL #21-14J

Location: NE NW Section 14, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

4-20-94 Completion

Start well pumping @ 9:40 a.m. 4 SPM, 98" stroke.

Pumping Unit: Lufkin 228, Model - LM-228D-213-86T; S/N - B129530A-52561. Engine: Ajax CMA-E42; S/N 77372. Tanks: two 12' x 20' 400 bls w/burners. S/N #1 - 76001509-01; S/N #2 - 9D88601-01. Contract pumper is Joe Ivie.

DC: \$32,253

CC: \$314,665

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 25 1994

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

6. Lease Designation and Serial No.  
U-096547

SUNDRY NOTICES AND REPORTS ON **DIV. OF OIL, GAS & MINING**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

7. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Jonah Unit

8. Well Name and No.  
Balcron Monument Federal #21-14J

9. API Well No.  
43-013-31421

10. Field and Pool, or Exploratory Area  
Monument Butte / Green River

11. County or Parish, State  
Duchesne County, Utah

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.  
P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE NW Section 14, T9S, R16E  
5;17.8' FNL, 1850.2' FWL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Report of First Production.

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

First production on this well was on 4-20-94 at 9:40 a.m.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Signed Lobbie Schuman

Title Regulatory & Environmental Specialist

Date 4-22-94

(This space for Federal or State office use)

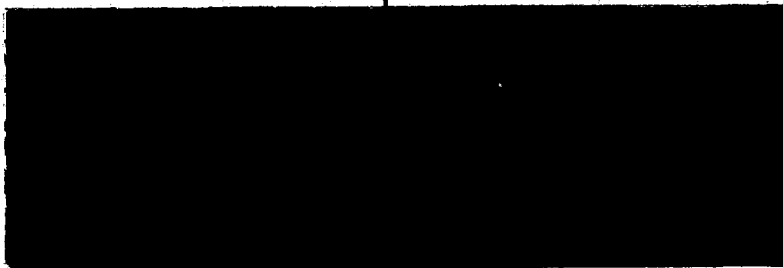
Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

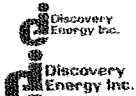
Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



Discovery  
Energy Inc.



Discovery  
Energy Inc.



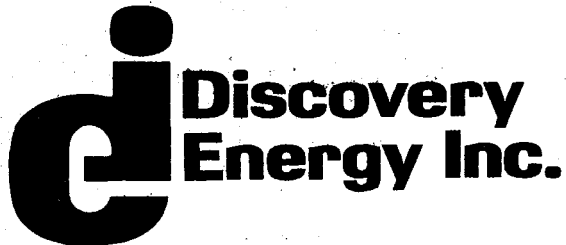
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Energy Inc.



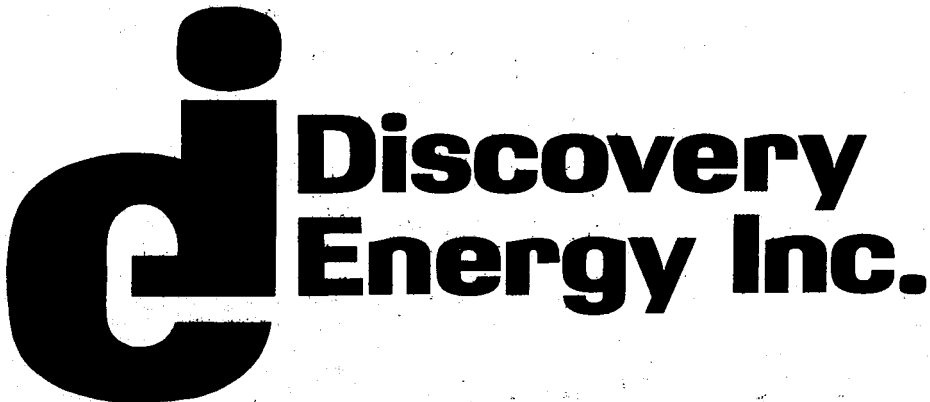
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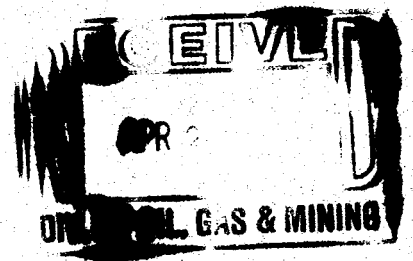
Discovery  
Energy Inc.



Discovery  
Energy Inc.



Discovery  
Energy Inc.



**GEOLOGIC AND DRILLING REPORT**  
**43-013-31421**  
**BALCRON OIL**  
**MONUMENT BUTTE FEDERAL NO. 21-14J**  
**NENW SECTION 14-T9S-R16E**  
**DUCHESNE COUNTY, UTAH**

**BALCRON OIL**  
**P.O. BOX 21017**  
**Billings, Montana 59104**

**MICROFICHE**



# *Table of Contents*

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## MONUMENT BUTTE FEDERAL NO. 21-14J

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Sample Description-----	7
Strip Log-----	Pocket

Prepared by:

M.K. Jones  
P.O. Box 21194  
Billings, MT 59104  
(406) 652-4505

# Well Summary

OPERATOR: Balcron Oil

LEASE AND WELL NAME: Monument Butte Federal No. 21-14J

LOCATION: NENW (518' fn, 1850' fw), Section 14-T9S-R16E  
Duchesne County, Utah

ELEVATION: 5592 Ground, 5602 K.B.

SPUD DATE: February 9, 1994 @ 12:00 noon

COMPLETION DATE: Ran 5 1/2" Casing on March 31, 1994

CASING POINT, DATE: March 30, 1994 @ 5:30 AM

TOTAL DEPTH: 5750' Driller Depth, 5756' Logger Depth

WELL STATUS: Awaiting Completion as Oil Producer

DRILLING CONTRACTOR: Union Drilling Co., Inc.

RIG NO.: 17

HOLE SIZE: Surface; 12 1/4" to 256' Main Hole; 7 7/8" to 5750'

SURFACE CASING: 6 Joints (248.4') 8 5/8", 24#, J-55;  
@ 256 K.B. w/300 sx Class "G" + 3% CaCl,  
+ 1/4# sk CelloFlake. Good Returns

MUD PROGRAMS: Air and Mist from 256' to 3854'  
Fresh water from 3854' to Total Depth

LOGS: Schlumberger DLL & LDT-CNL

CORES: None

DRILL STEM TESTS: None

SAMPLE QUALITY: Good

PRODUCTION CASING: 5 1/2", 15.5# @ Total Depth

DRILLING EQUIPMENT:

RIG: Draw Works Cabot-Franks Rocket  
Mast Make Cabot Height 87'  
Power Caterpillar 343 Diesel

BLOW OUT PREVENTER: Make Schaeffer, Model 10" - 900  
Type Hydraulic Dbl Ram  
Drill Pipe Size 4 1/2" Thread XH 16.6#  
Drill Collars: NO.18, Length 496'  
Thread 4"H-90, ID 2 1/2", OD 6"

PUMPS: NO. 1 Make GD, Model 200 FX,  
Stroke Length 14"  
Liner ID 5 1/2",  
Power Twin 671 Detroit Diesels

# Penetration Record

## DAILY DEPTH AT 6:00 A.M.

### **Monument Butte Federal 21-14J**

<u>DATE</u>	<u>PENETRATION</u>		<u>TIME DISTRIBUTION</u>				<u>REMARKS</u>
	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>DRILLING</u>	<u>REPAIRS</u>	<u>OTHER</u>	<u>DAY WORK</u>	
1-6-94	-	-	-	-	-	-	Finish Bldg Location
2-9-94	-	-	-	-	-	-	Spud @12:00 noon
2-10-94	256	256	6	-	-	-	Run & Cmt 8 5/8" Csg
3-23-94	-	-	-	-	-	-	Move on Union No. 17
3-24-94	1280	1024	14	-	10	-	Test BOP 2000#; Csg 1500#
3-25-94	2508	1228	20 1/2	2	1 1/2	-	Trip f/Bit; Load Hole w/water
3-26-94	3638	1130	21 3/4	-	2 1/4	-	
3-27-94	4228	590	17 3/4	-	6 1/4	-	
3-28-94	4775	547	22 1/2	-	1 1/2	-	Log w/Schlumberger Run & Cmt 5 1/2" Csg. Rig Down  Rig Released @ 6:00 PM on 3-31-94
3-29-94	5286	511	22 1/4	-	1 3/4	-	
3-30-94	5750	464	22 1/2	-	1 1/2	-	
3-31-94	5750	-	-	-	24	24	
4-1-94	5750	-	-	-	12	12	

## TIME DISTRIBUTION SUMMARY

Rotating Hours----- 147 1/4 Hours  
 Days on Location----- 9 Days  
 Rig Repair----- 2 Hours  
 Day Work----- 36 Hours

# Mud Check



## Monument Butte Federal No. 21-14J

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>SALT</u>	<u>KCI</u>
3-24-94	1280			Air & Mist	190 Psi			1800 CFM
3-25-94	2508			Air & Mist	200 Psi			1800
3-26-94	3638			Air & Mist	210 Psi			1800 CFM
	3854			Load Hole w/Fresh Water				
3-27-94	4228	8.4	26	9.6	-	1/32	8500	
3-28-94	4775	8.4	26	9.7	-	film	8600	
3-29-94	5286	8.4	27	10	-	film	12,500	
3-30-94	5750	8.4	26	9.8	-	film	12,800	
3-31-94	5750	8.4	26	9.8	-	film	12,800	

## Mud Additives

KCI----- 50 sx

Lime----- 25 sx

# *Bit Record*



## Monument Butte Federal No. 21-14J

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>JETS</u>	<u>OUT</u>	<u>FEET</u>	<u>HRS.</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>SPM</u>	<u>PRESS</u>	<u>DEV</u>
1	7 7/8"	STC	F27A	open	3854	3598	60 1/4	40	50	Air & Mist	3/4°	
2	7 7/8"	HTC	ATJ-44	13	5750	1896	81	40	60	55	1000	1°

## Deviation Record

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
280	3/4°	3295	1 3/4°
779	1°	3840	3/4°
1280	15/16°	4350	3/4°
1800	1/4°	4850	2°
2305	1/2°	5350	1°
2800	2 1/4°		

# Show Report

## Monument Butte Federal 21-14J

NO	DEPTH	DRILL RATE, Min/Ft			TOTAL GAS Units			CHROMATOGRAPH %			
	From - To	Before	During	After	Before	Peak	After	C1	C2	C3	C4
1	2605 - 60	1	1 1/4	1	2	6	2	0.6	-	-	-
2	3450 - 515	1	1	3/4	20	95	30	0.8	0.2	0.2	0.2
3	4064 - 84	3	1 1/2	2	2	52	4	0.8	0.4	0.4	0.3
4	4434 - 46	2	1.4	2.8	2	630	4	6.0	1.4	0.9	0.7
5	4598 - 4606	2	1	2.2	20	700	10	7.0	1.5	0.8	0.8
6	4820 - 24	2.4	1	2.8	2	590	2	3.0	1.2	0.6	0.6
7	5050 - 66	2.8	1.2	2.5	2	700	8	3.0	1.6	0.8	0.7
8	5096 - 5106	3.2	2.6	4.0	8	800	30	2.3	1.7	0.8	0.7
9	5166 - 68	3.4	2.5	3.0	4	200	6	1.6	0.8	0.5	0.5
10	5464 - 80	3.0	1.8	2.8	10	200	10	2.0	0.8	0.5	0.3
11	5506 - 24	2.8	1.4	3.0	10	800	20	6.0	1.4	0.8	0.8
12	5606 - 22	3.0	2.2	3.8	20	180	10	1.4	0.6	0.3	0.3

### REMARKS

- 1 - C 2605-660 Sandstone - light gray to tan, very fine grained, silty, angular to sub-rounded, tight to poor porosity, light brown oil stain, no fluorescence in wet sample, dull yellow brown fluorescence dry, instant streaming cut.
- 2 - C 3450-515 Sandstone - clear, light gray, very fine to fine grained, silty, angular, clay filled to calcareous, tight to poor porosity, brown oil saturation, instant bluish yellow streaming cut.
- 3 - B 4064-084 Sandstone - light brown, very fine grained, silty, angular, poor to fair porosity, brown oil saturation, yellow brown fluorescence, instant bluish yellow streaming cut.
- 4 - B 4434-464 Sandstone - light brown, very fine grained, silty, angular, calcareous, poor porosity, brown oil saturation, yellow fluorescence, instant strong streaming cut.
- 5 - A 4598-606 Sandstone - light gray, very fine to fine grained, angular, slightly calcareous, some clay filling, tight to fair porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut.
- 6 - B 4820-824 Sandstone - light gray, tan, very fine to fine grained, silty, angular, scattered poor porosity, patches of light brown oil stain with faint yellow fluorescence and quick streaming cut.
- 7 - A 5050-066 Sandstone - tan, very fine to fine grained, angular, slightly calcareous, poor to fair porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut.
- 8 - A 5096-106 Sandstone - tan, brown, very fine to fine grained, calcareous, angular, tight to poor porosity, light brown oil saturation, yellow fluorescence, instant bluish white streaming cut.
- 9 - B 5166-168 Sandstone - buff, tan, brown, very fine to fine grained, silty, few medium grained, slightly calcareous, brown oil stain, tar splotches, splotchy yellow-brown fluorescence, quick, strong streaming cut.
- 10 - A 5464-480 Sandstone - mostly loose grains, very fine to fine grained, silty, sub-rounded to angular, tan oil stain, bright yellow fluorescence, instant bluish white streaming cut.
- 11 - A 5506-524 Sandstone - as above, oil show - as above.
- 12 - B 5606-622 Sandstone - light gray, very fine to coarse grained, black and orange accessories, angular, calcareous, clay filled, hard, tight, few unconsolidated grains, scattered faint fluorescence, faint bluish white milky, cut.

NOTE: A, B, C Relative strength of Oil Show.

# Formation Data

Monument Butte Federal 21-14J

## Sample Tops

ELEVATIONS	5592 GL	5602 K.B.	STRUCTURAL	
FORMATION	DEPTH	ELEVATION	RELATIONSHIP	
		THICKNESS	HIGH/LOW	
<u>TERTIARY</u>				
Uinta	Surface	+5592	1467	58' High
Green River	1477	+4125	644	48' High
Horseshoe Bench	2121	+3481	1658	42' High
2nd Garden Gulch	3779	+1823	297	40' High
Y3	4076	+1526	326	Not Present
Yellow Marker	4402	+1200	35	50' High
Y7	4437	+1165	112	49' High
Douglas Creek	4549	+1053	57	58' High
R1	4606	+996	134	42' High
R5	4740	+862	53	61' High
2nd Douglas Creek	4793	+809	30	52' High
G1	4823	+779	113	Not Present
Green Marker	4936	+666	117	56' High
G4	5053	+549	44	40' High
G5	5097	+505	334	Not Present
Carbonate Marker	5431	+171	39	32' High
B1	5470	+132	39	40' High
B2	5509	+93	103	34' High
B4	5612	-10	144+	35' High

**TOTAL DEPTH**

**5756'**

REFERENCE WELL :

Diamond Shamrock  
Walton-Federal No. 34-11  
SWSE-11-9S-16E  
1/2 Mile Northeast

# Sample Description

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Balcron Oil  
Monument Butte Federal No. 21-14J  
Duchesne County, Utah  
NENW Section 14-T9S-R16E

Samples caught from flow line while drilling with air and mist. Samples begin at 1750' in Green River Formation. 50 Foot Sample Intervals.

## **LOG TOP, GREEN RIVER FM. 1477' (+4125')**

1750 - 1800	Shale - brown, tan, blocky to lumpy, locally gritty, locally calcareous, petroliferous; Some Shale - brownish gray, hard, blocky.
1800 - 1850	No change.
1850 - 1900	No change.
1900 - 1950	Marl - medium to dark brown, blocky, firm, very petroliferous.
1950 - 2000	No change.
2000 - 2050	No change.
2050 - 2100	No change.

## **LOG TOP, HORSESHOE BENCH 2121' (+3481')**

2100 - 2150	Shale - medium gray, blocky to fissile, firm; Sandstone - white, very fine grained to silty, angular to rounded, slightly salt and pepper, clay filled to calcareous, tight.
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2150 - 2200	Marl - medium brown, grayish brown, hard, blocky, petroliferous.
2200 - 2250	Marl - brown, tan, fissile to blocky, petroliferous.
2250 - 2300	No change.
2300 - 2350	No change.
2350 - 2400	No change.
2400 - 2450	No change.
2450 - 2500	Shale - dark brown, fissile to blocky, firm, calcareous, very petroliferous, "Oil Shale".
2500 - 2550	As above; Shale - buff, tan, calcareous, blocky to lumpy, firm.
2550 - 2600	No change.
2600 - 2650	Sandstone - light gray to tan, very fine grained, silty, angular to sub-rounded, tight to poor porosity, <u>faint brown live oil stain, dry sample has brownish yellow fluorescence, strong fast streaming cut</u> ; Shale - medium gray, blocky, gritty, firm.
2650 - 2700	Shale - as above; Shale - light brown, calcareous, blocky, firm, slightly petroliferous.
2700 - 2750	Shale - medium gray, blocky, firm; Marl - brown, tan, buff, blocky, petroliferous.
2750 - 2800	Marl - grayish brown, brown, tan, blocky, petroliferous.
2800 - 2850	Limestone - buff, tan, shaley; Marl - as above; <u>Bleeding dark brown live oil, bright yellow fluorescence, instant streaming cut.</u>
2850 - 2900	Sandstone - light gray, very fine grained, silty, angular, <u>no show</u> ; Shale - light to medium gray, firm, gritty to silty.
2900 - 2950	Limestone - tan, brown, very shaley, hard; Some Shale - as above.
2950 - 3000	No change.

3000 - 3050	Shale - light gray, fissile, gritty; Siltstone - sandy, light gray, shaley; Limestone - as before.
3050 - 3100	Sandstone - light gray, very fine grained, silty, angular, shaley, clay filled, hard, tight; Shale - medium gray, gritty, blocky, petroliferous.
3100 - 3150	Limestone - cream, buff, tan, brown, micritic, partly chalky, argillaceous; Marl - tan, brown, blocky, firm, petroliferous.
3150 - 3200	As above; Shale - light gray, calcareous, hard, blocky to fissile.
3200 - 3250	No change.
3250 - 3300	No change.
3300 - 3350	Limestone - as above; some Shale - as above.
3350 - 3400	As above; Siltstone - light gray, hard, sandy.
3400 - 3450	Shale - medium gray, calcareous, hard, blocky; Shale - tan, brown, calcareous, petroliferous; Sandstone - light gray, very fine grained, silty, angular, clay filled to siliceous, hard, tight, <u>no show</u> .
3450 - 3500	Sandstone - clear, light gray, very fine to fine grained, silty, angular, clay filled to calcareous, tight to poor porosity, <u>brown live oil saturation, yellow fluorescence, instant streaming cut</u> ; Shale - as above.
3500 - 3550	Shale - light gray, grayish brown, hard, calcareous, blocky; some Sandstone - as above, tight, no show.
3550 - 3600	Limestone - buff, tan, brown, argillaceous; Marl - dark brown, blocky to fissile, petroliferous.
3600 - 3650	Shale - light to medium gray, greenish gray, firm, blocky to fissile, gritty to silty; Limestone - as before.
3650 - 3700	No change.
3700 - 3750	Sandstone - light gray, very fine grained, silty, angular, shaley, mostly loose grains, <u>tight scattered light brown oil stain, spotty fluorescence with quick strong streaming cut</u> ; Shale - as before.

## **LOG TOP, 2ND GARDEN GULCH 3779' (+1823')**

3750 - 3800      Limestone - buff, tan, brown, argillaceous; some Shale and Sandstone - as above.

### **Begin 20 Foot Samples**

3800 - 3820      Sandstone - white, tan, very fine to fine grained, silty, angular, clay filled to calcareous, mostly tight, few specks of heavy oil, no fluorescence or cut; Shale and Limestone - as above.

3820 - 3840      Shale - medium gray, lumpy to blocky, firm; Limestone and Sandstone - as above.

### **Change from Air and Mist to Fresh Water at 3854'.**

3840 - 3860      Shale - medium gray, blocky, hard, gritty, calcareous; Sandstone - as above.

3860 - 3880      Shale - light to medium gray, fissile to blocky, calcareous, firm; some Sandstone - as above; some Limestone - buff, tan, brown, argillaceous.

3880 - 3900      No change.

3900 - 3920      Limestone - as above, ostracodal; Sandstone and Shale - as before.

3920 - 3940      Shale - light to medium gray, fissile to blocky, gritty to silty; Sandstone - light gray, very fine to fine grained, salt and pepper, rounded to angular, clay filled, tight; some Limestone.

3940 - 3960      No change.

3960 - 3980      Sandstone - white, very fine grained, silty, angular, clay filled, calcareous, tight, no show.

3980 - 4000      Limestone - as above; Shale - medium gray, blocky, calcareous, firm; Marl - brown, tan, fissile to blocky, petroliferous.

4000 - 4020      No change.

4040 - 4060      Sandstone - white, tan, brown, very fine grained, silty, angular, slightly calcareous, mostly clay filled, tight to poor porosity, scattered brown oil stain with bright yellow fluorescence, quick, strong streaming cut; Limestone and Shale - as above.

## LOG TOP, Y3 SANDSTONE 4076' (+1526')

- 4060 - 4080 Sandstone - light brown, very fine grained, silty, angular, poor to fair porosity, uniform brown oil saturation, bright yellow fluorescence, instant strong streaming cut.
- 4080 - 4100 Shale - light gray, firm, blocky to fissile, calcareous; Siltstone - light gray, white, calcareous, hard; some Sandstone - as above.
- 4100 - 4120 Shale - as above; Sandstone - white, very fine to fine grained, silty, calcareous to clay filled, angular, tight, no show.
- 4120 - 4140 Sandstone - as above; some Shale - as above.
- 4140 - 4160 Marl - light to dark brown, calcareous, blocky, petroliferous.
- 4160 - 4180 Shale - light to medium gray, hard, gritty; some Sandstone and Oil Shale.
- 4180 - 4200 Shale - medium gray, calcareous, hard, blocky, partly gritty.
- 4200 - 4220 Marl - brown, blocky, petroliferous.
- 4220 - 4240 Shale - light to medium gray, fissile to blocky, slightly calcareous, firm; Shale - tan, brown, calcareous, blocky, petroliferous.
- 4240 - 4260 Sandstone - white, light gray, very fine to fine grained, silty, angular, clay filled to calcareous, mostly tight, trace poor porosity with patches of light brown oil stain and spotty yellow-brown fluorescence, slow streaming cut.
- 4260 - 4280 Marl - dark brown, fissile, very petroliferous.
- 4280 - 4300 Marl - buff, tan, brown, blocky to fissile, petroliferous.
- 4300 - 4320 Sandstone - white, light gray, very fine to fine grained, silty, angular, clay filled, calcareous, tight, no show; Shale - light gray, fissile, gritty; Clay - white.
- 4320 - 4340 Shale - light to medium gray, blocky to fissile, gritty, firm, calcareous; Siltstone - light gray, sandy, calcareous; Clay - white.
- 4340 - 4360 Siltstone - light to medium gray, calcareous, sandy; Shale - as above.

4360 - 4380 No change.

4380 - 4400 As above; Marl - buff, brown, blocky, petroliferous.

**LOG TOP, YELLOW MARKER 4402' (+1200')**

4400 - 4420 Shale - light gray, fissile, calcareous, gritty; Sandstone - light gray, very fine grained, silty, angular, calcareous, tight.

**LOG TOP, Y7 SANDSTONE 4437' (+1165')**

4420 - 4440 Sandstone - light brown, very fine grained, silty, angular, slightly calcareous, poor porosity, brown oil saturation, yellow fluorescence, instant strong streaming cut, few dark brown tar balls.

4440 - 4460 Shale - light gray, fissile, calcareous, partly gritty, firm; Siltstone - light gray; some Limestone - buff, brown, argillaceous.

4460 - 4480 No change.

4480 - 4500 No change.

4500 - 4520 Shale - light gray, fissile, soft; Siltstone - light gray, sandy, shaley.

4520 - 4540 Siltstone - light gray, sandy, shaley, calcareous; Shale - light to medium gray, fissile, partly gritty.

**LOG TOP, DOUGLAS CREEK 4549' (+1053')**

4540 - 4560 Marl - brown, blocky, firm, petroliferous.

4560 - 4580 Siltstone - light gray, calcareous; Shale - light gray, blocky, calcareous.

**LOG TOP, R1 SANDSTONE 4606' (+996')**

4580 - 4600 As above; Sandstone - light gray, very fine to fine grained, angular, slightly calcareous, some clay filled, tight to fair porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut.

4600 - 4620 Sandstone - as above with oil show as above.

- 4620 - 4640 Shale - light gray, blocky, calcareous; Siltstone - light gray.
- 4640 - 4660 Sandstone - white, very fine to fine grained, angular, clay filled, tight; Shale - light gray, calcareous, blocky; some Shale - brown, blocky, calcareous, petroliferous.
- 4660 - 4680 Siltstone - light gray, sandy, calcareous; Shale - light gray, blocky, calcareous, gritty to silty.
- 4680 - 4700 No change.
- 4700 - 4720 As above; some Sandstone - white, very fine to fine grained, angular, clay filled, tight.
- 4720 - 4740 Sandstone - white, very fine to fine grained, silty, angular, calcareous, hard, tight, no show; some Shale - as above.

**LOG TOP, R5 SANDSTONE 4740' (+862')**

- 4740 - 4760 Shale - as above; Sandstone - as above, small percentage has brown oil stain, yellow fluorescence, quick streaming cut.
- 4760 - 4780 Shale - medium gray, hard, blocky, calcareous; Shale - dark brown, calcareous, blocky to fissile, petroliferous.

**LOG TOP, 2ND DOUGLAS CREEK 4793' (+809')**

- 4780 - 4800 As above; Sandstone - light gray, very fine to fine grained, angular, calcareous, hard, tight.
- 4800 - 4820 Sandstone - light gray, very fine grained, silty, angular, clay filled to calcareous, hard, tight; Shale - as before.

**LOG TOP, G1 SANDSTONE 4823' (+779')**

- 4820 - 4840 Sandstone - light gray, tan, very fine to fine grained, silty, angular, scattered poor porosity, scattered patches of light brown oil stain with faint yellow fluorescence and quick streaming cut; Shale - as before.
- 4840 - 4860 Sandstone - light gray, very fine to silty, much loose grains, angular, clay filled, calcareous, tight, no show; Shale - light gray, blocky to fissile, firm, gritty to silty, calcareous.
- 4860 - 4880 Shale and Sandstone - as above; Siltstone - light gray, sandy, calcareous.

4880 - 4900 Sandstone - as above; Siltstone and Shale - as above.

4900 - 4920 No change.

**LOG TOP, GREEN MARKER 4936' (+666)**

4920 - 4940 Marl - dark brown, tan, buff, blocky to fissile, petroliferous.

4940 - 4960 No change.

4960 - 4980 Siltstone - light gray, sandy, calcareous; Shale - light gray, blocky to fissile, calcareous gritty to silty.

4980 - 5000 As above; Marl - brown, tan, petroliferous.

5000 - 5020 No change.

5020 - 5040 Shale - light gray, blocky to fissile, gritty, calcareous; Siltstone - light gray, sandy, calcareous.

**LOG TOP, G4 SANDSTONE 5053' (+549')**

5040 - 5060 Sandstone - tan, very fine to fine grained, angular, slightly calcareous, poor to fair porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut.

5060 - 5080 Sandstone - white, tan, very fine to fine grained, angular, calcareous, 40% is tight with spotty show, 60% has porosity and show as above.

5080 - 5100 Shale - light gray, blocky to fissile, hard, calcareous, gritty; Siltstone - light gray, hard, calcareous, sandy.

**LOG TOP, G5 SANDSTONE 5097' (+505')**

5100 - 5120 Sandstone - tan, brown, very fine to fine grained, calcareous, angular, tight to poor porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut;  
Shale - as before.

5120 - 5140 Shale - light to medium gray, hard, blocky, calcareous; Marl - brown, blocky, petroliferous.

5140 - 5160 Marl - dark brown, blocky, petroliferous.

- 5160 - 5180 Sandstone - buff, tan, brown, very fine to fine grained, silty, few medium grains, slightly calcareous, poor porosity, tan to brown oil stain, few dark tar splotches, splotchy fluorescence, yellow brown to bright yellow, quick, strong streaming cut; Shale - medium gray, blocky, hard, calcareous.
- 5180 - 5200 Shale - light to medium gray, fissile to blocky, firm, calcareous; Siltstone - light gray, sandy, calcareous; Marl - dark brown, petroliferous.
- 5200 - 5220 No change.
- 5220 - 5240 Marl - dark brown, blocky to fissile, very petroliferous.
- 5240 - 5260 No change.
- 5260 - 5280 Marl - light to dark brown, blocky, petroliferous; Shale - light gray, fissile, calcareous; Limestone - buff, argillaceous.
- 5280 - 5300 No change.
- 5300 - 5320 Shale - light gray, blocky, calcareous; some Limestone - as above.
- 5320 - 5340 Marl - dark brown, blocky to fissile, very petroliferous; Trace of Limestone.
- 5340 - 5360 Shale - black, blocky to fissile, partly calcareous, petroliferous.
- 5360 - 5380 No change.
- 5380 - 5400 No change.
- 5400 - 5420 Shale - light to medium gray, brownish gray, fissile, calcareous, firm.

#### **LOG TOP, CARBONATE MARKER 5431' (+171')**

- 5420 - 5440 As above; Limestone - gray, tan, brown, micritic, argillaceous.
- 5440 - 5460 Sandstone - white, very fine to fine grained, silty, angular, clay filled, calcareous, hard, tight; Marl - brown, blocky, petroliferous; Shale - as above.

### **LOG TOP, B1 SANDSTONE 5470' (+132')**

- 5460 - 5480 Sandstone - (mostly loose grains) very fine to fine grained, yellow fluorescence, quick strong streaming cut.
- 5480 - 5500 Sandstone - as above; Limestone - tan, brown, argillaceous; Shale - light gray, calcareous, fissile; Marl - brown, blocky, petroliferous.

### **LOG TOP, B2 SANDSTONE 5509' (+93')**

- 5500 - 5520 Sandstone as in 5460 - 5480', film of light brown oil, show as in 5460 - 5480'.
- 5520 - 5540 Sandstone - white, clear, very fine to coarse grained, angular, mostly unconsolidated grains, some clay filled, calcareous, hard, tight; Limestone - tan, brown, hard, argillaceous; Marl - dark brown, blocky, petroliferous.
- 5540 - 5560 Shale - light gray, fissile to blocky, calcareous, firm; Siltstone - light gray, sandy; Limestone - as above; Sandstone - as above.
- 5560 - 5580 No change.
- 5580 - 5600 No change.

### **LOG TOP, B4 SANDSTONE 5612' (-10')**

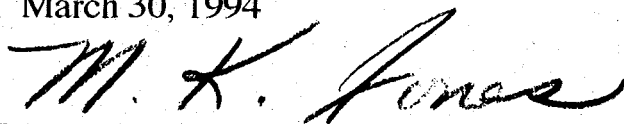
- 5600 - 5620 Shale - light gray, blocky to fissile, firm, calcareous; Sandstone - light gray, very fine to coarse grained, black and orange accessories, angular, clay filled, calcareous, shaley, hard, tight, few unconsolidated quartz grains; some Limestone - tan, brown, argillaceous.
- 5620 - 5640 No change.
- 5640 - 5660 Siltstone - light gray, sandy, calcareous; Shale and Sandstone - as above; some Limestone - as above.
- 5660 - 5680 No change.
- 5680 - 5700 Sandstone - as above; Some Shale - as above.
- 5700 - 5720 Shale - light gray, fissile to blocky, calcareous, firm; Marl - brown, blocky, petroliferous; Siltstone - light gray, shaley, sandy.

5720 - 5740 Siltstone - light gray, sandy, calcareous.

5740 - 5750 Siltstone - light gray, very sandy, calcareous; Sandstone - light gray, very fine grained, clay filled, tight; Claystone - light gray.

Driller's Total Depth 5750'  
Logger's Total Depth 5756'

March 30, 1994

A handwritten signature in cursive script, reading "M. K. Jones". The signature is written in dark ink and is positioned above a horizontal line.

M.K. Jones  
Petroleum Geologist

## GEOLOGIC WELL LOG

OPERATOR: BALCRON OIL  
WELL: MONUMENT BUTTE FEDERAL No. 21-14J  
COUNTY: DUCHESNE STATE: UTAH *dril*  
SECTION: 14, TOWNSHIP 9S, RANGE 16E  
QTR. SEC. NENW 518' FNL, 1850' FWL  
KB 5602', GR 5592'  
RIG: UNION # 17  
TOTAL DEPTH: 5750'  
STATUS: OIL WELL.  
SPUD DATE: 2-9-94 COMP. DATE: UNKNOWN  
PERFS UNKNOWN  
IP UNKNOWN

GEOLOGIST: K. Jones

# LITHOLOGIC SYMBOLS

	Sandstone		Salt		Anhydrite
	Conglomerate		Chert		Argillaceous
	Siltstone		Coal		Calcareous
	Shale		Igneous		Dolomitic
	Marl		Volcanics		Fossiliferous
	Limestone		Metamorphic		Glauconitic
	Dolomite		Clay		Oolitic
	Anhydrite				Plant Remains
					Pyrite
					Siliceous
					Stylolites
					Petrolicferous

## POROSITY & SHOW SYMBOLS

X	POOR	INTERPARTICLE POROSITY
XX	FAIR	
XXX	GOOD	
V	POOR	VUG POROSITY
VV	FAIR	
VVV	GOOD	
	POOR	OIL SHOWS
	FAIR	
	GOOD	
	POOR	GAS SHOWS
	FAIR	
	GOOD	

## OPERATIONAL SYMBOLS

	CORE
	SIDEWALL CORE
	DST
	CASING SEAT
	PERFORATIONS
	SQUEEZED PERFS

GEOLOGIST: Kay Jones

FROM: 1400' TO: Total Depth

## DRILL RATE

Mn/Ft



Ft/Hr



P	S	C	C
o	h	o	s
r	o		
w	s		

TEXT

10				5				10
----	--	--	--	---	--	--	--	----

1400

Bit No. 1  
F-27 A

Drilling with  
Air and Mist

GREEN RIVER 1477'

1500

1600

1700

1800

Sh - brn, tn, blkylmpy, lcly grty, lcly calc,  
petrol; sm Sh - brnsh gy, hd, blkyl

1900

Marl - md-dk brn, blkyl, frm, vy petrol

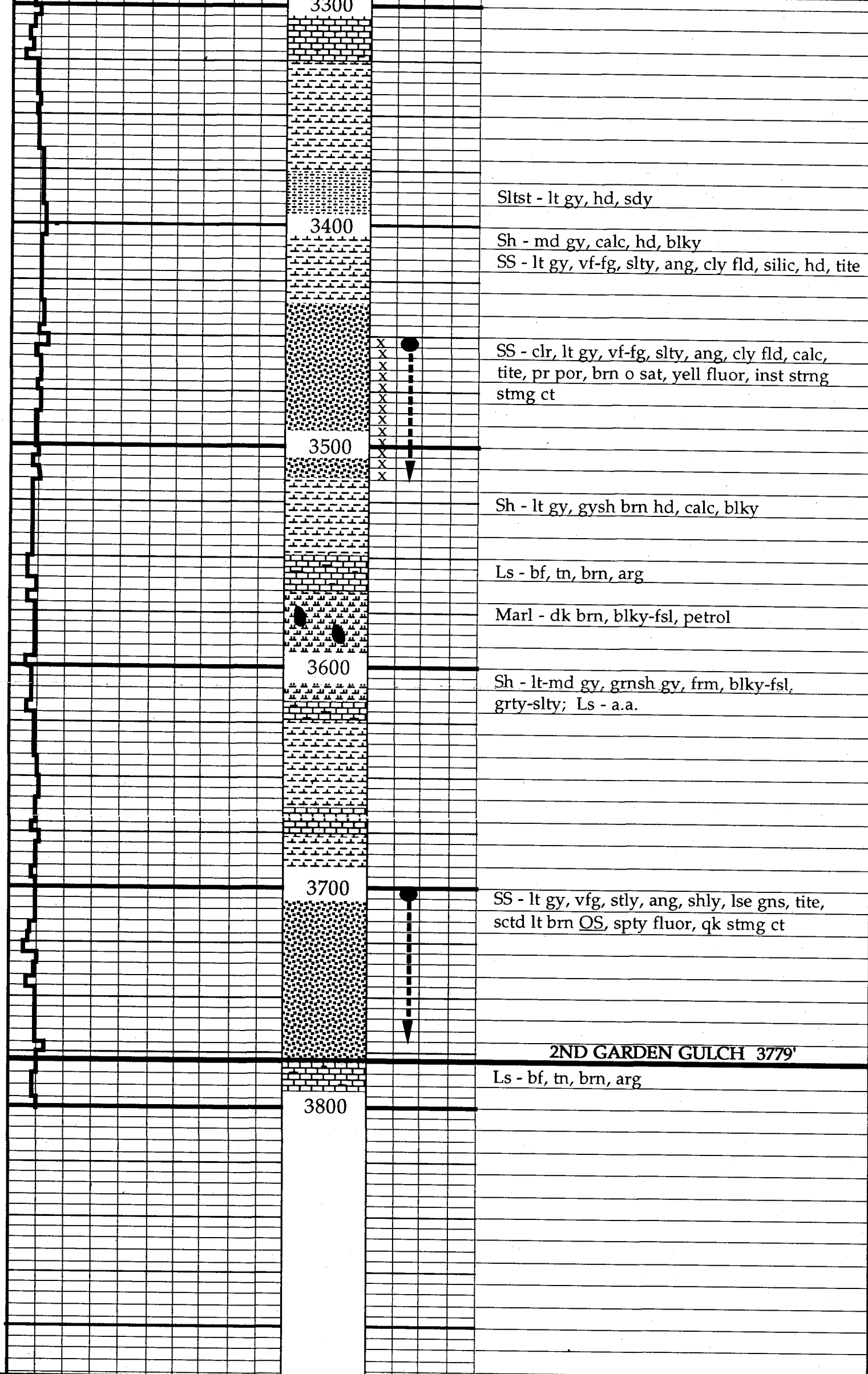
MIN/FT

0

5

10

2000



DEPTH SCALE  
CHANGE

3800

SS - wh, tn, vf-fg, slty, ang, cly fld-calc, tite,  
fw spks hvy oil shw

Sh - md gy, lmpy-blky, frm

Sh - md gy, blky, hd, grty, calc

Bit No. 2  
ATJ-44

Drilling with  
Fresh Water

Ls - bf, tn, brn, arg

Sh - lt-md gy, fs-blky, calc, frm

3900

Ls - a.a., ostracods

Sh - lt-md gy, fsl-blky, grty-slty

SS - lt gy, vf-fg, S&P, md-ang, cly fld, tite

SS - wh, vfg, slty, ang, cly fld, calc, tite, NS

Min/Ft

Marl - brn, tn, fsl-blky, petrol

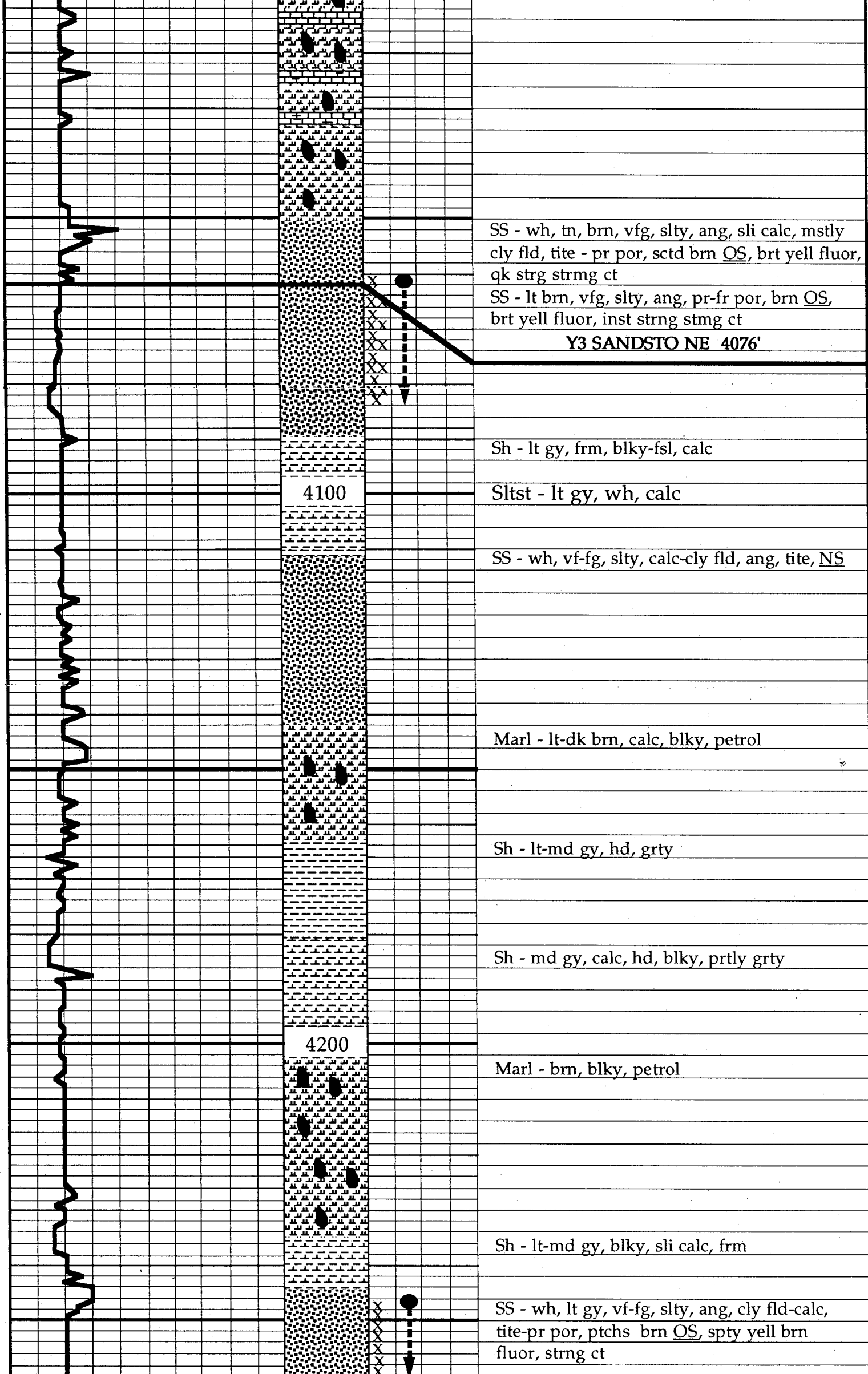
Ls - bf, tn, arg

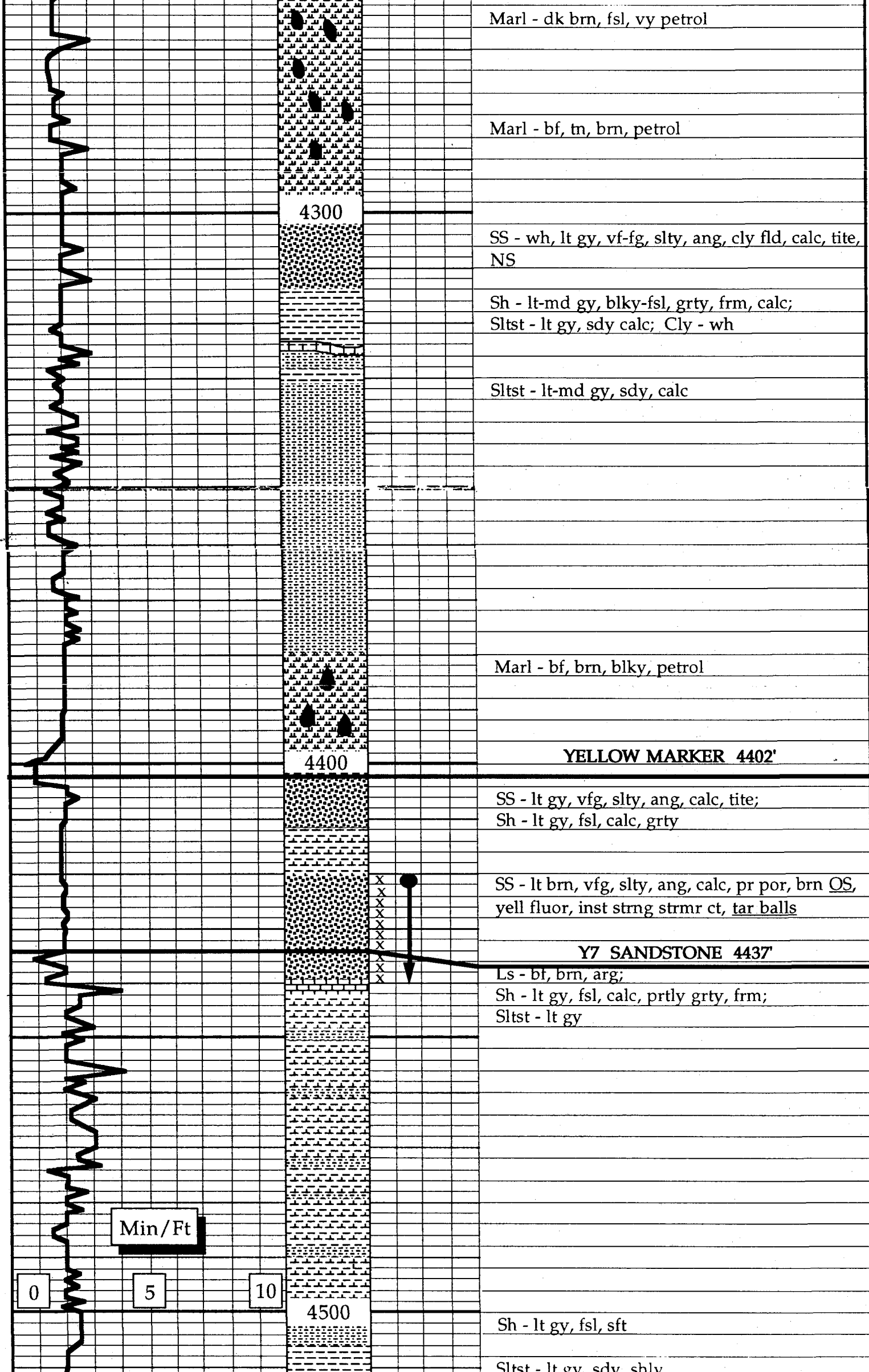
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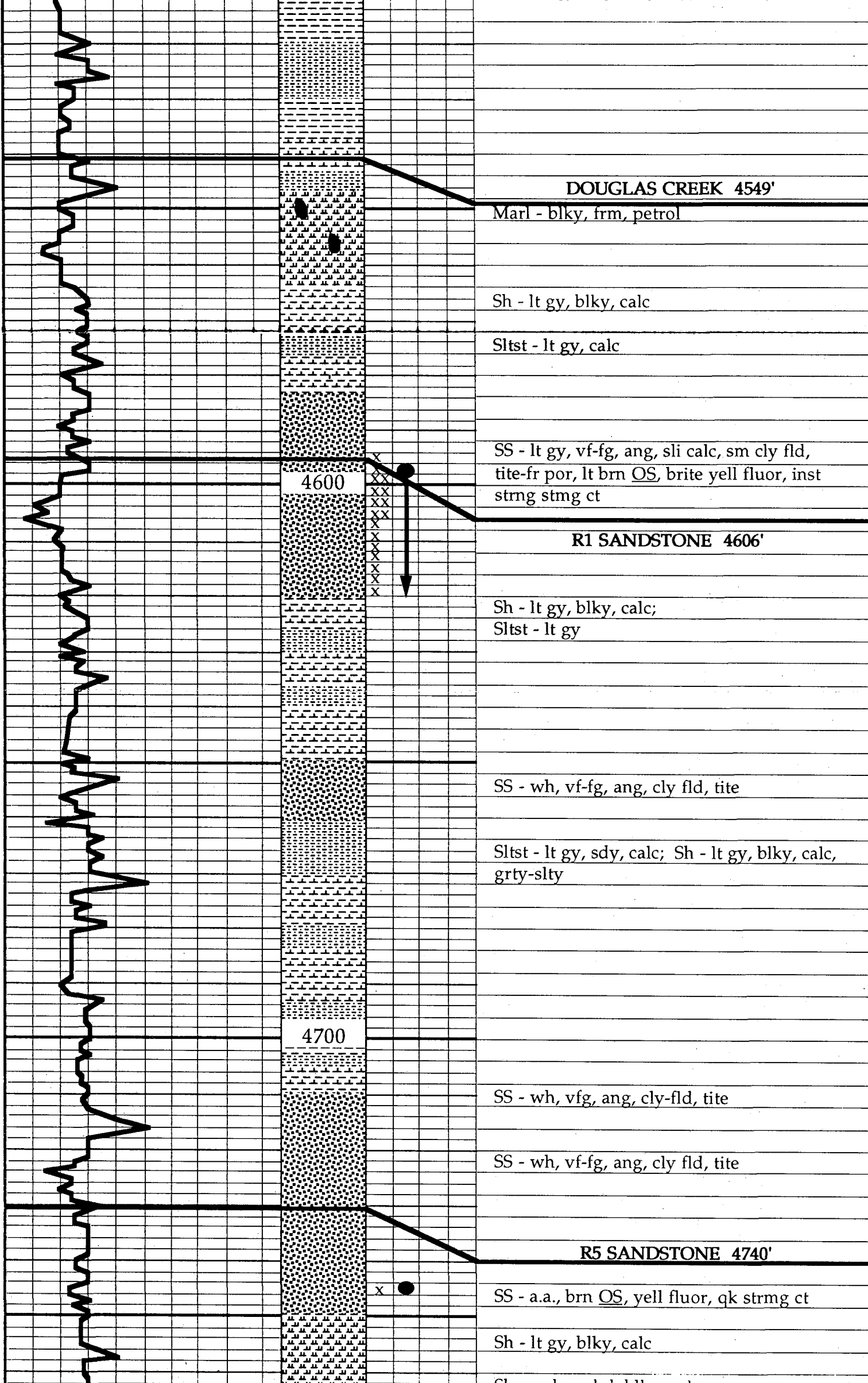
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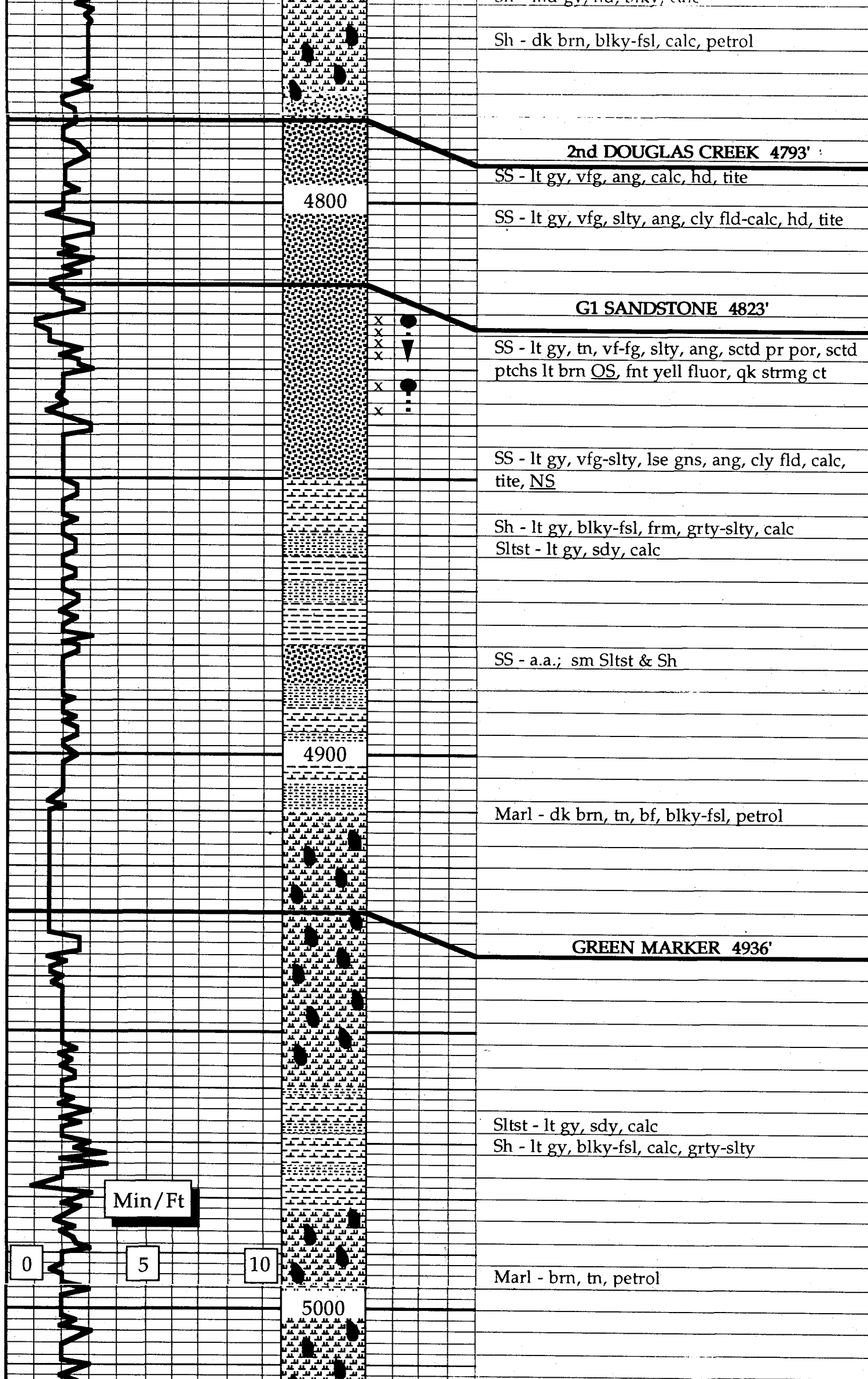
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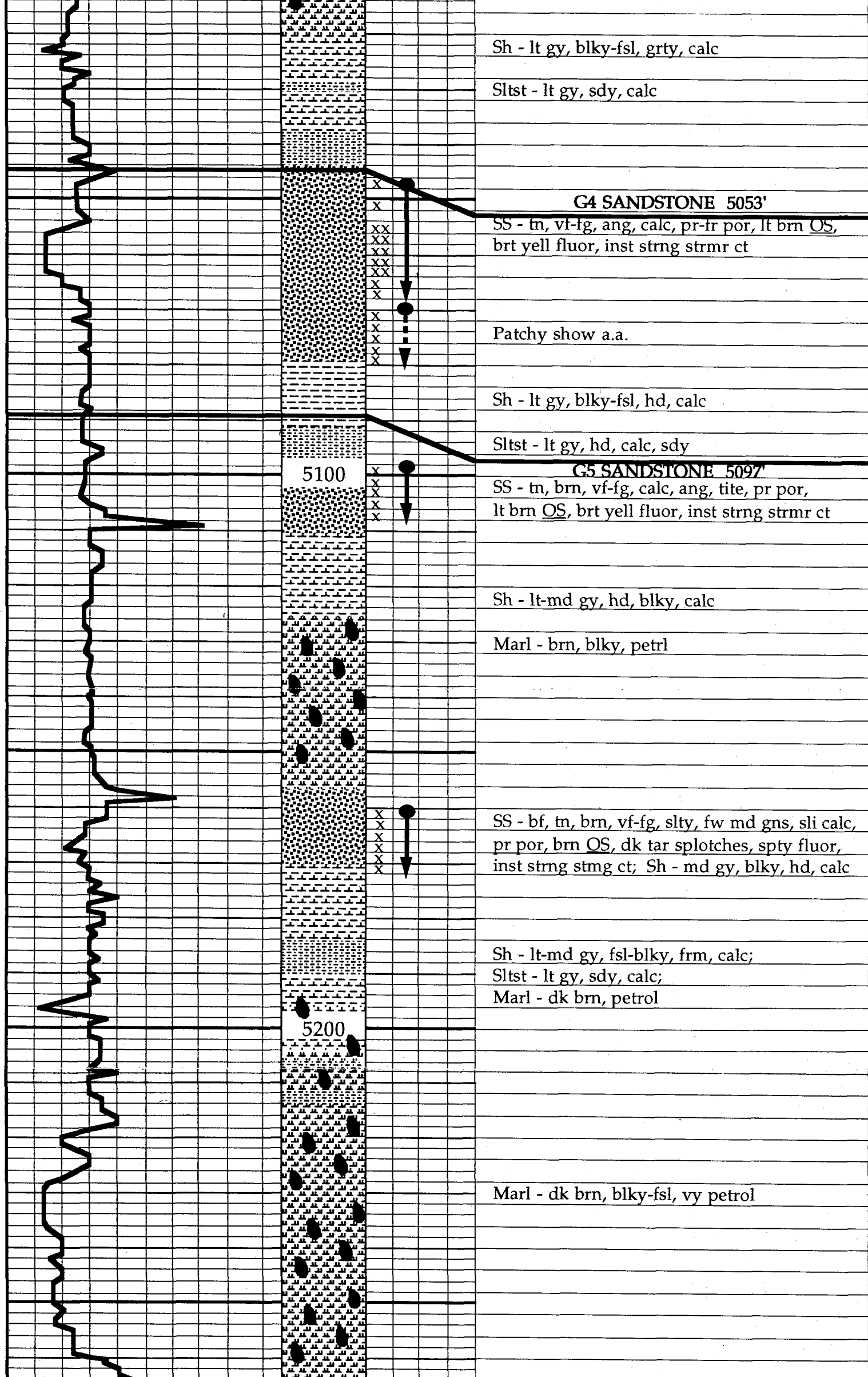
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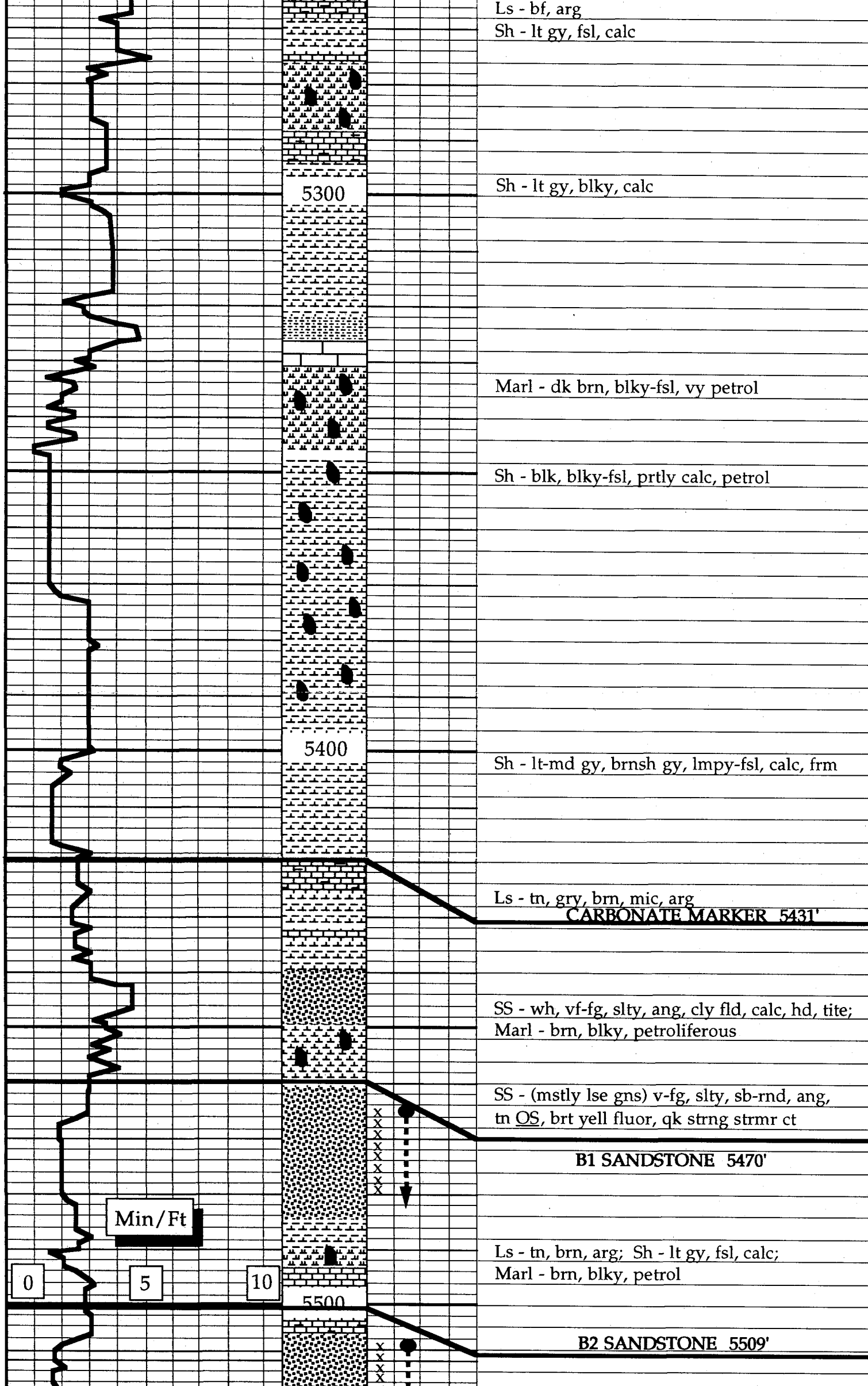


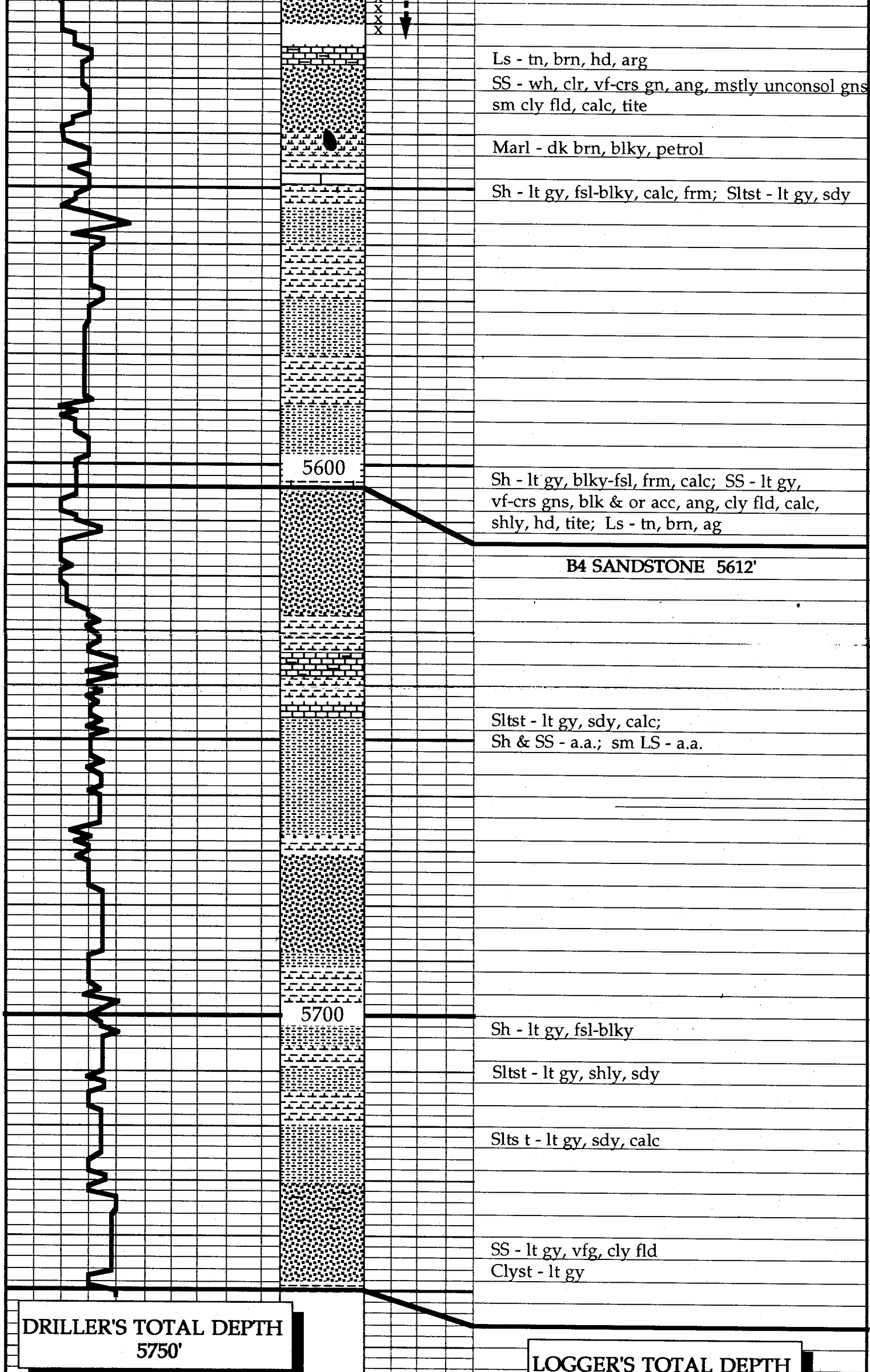














(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

See other instructions on reverse side)

Budget Bureau No. 1004-013,  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

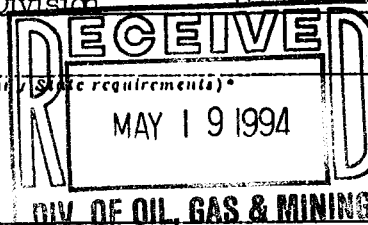
1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVENUE ☐ Other \_\_\_\_\_

CONFIDENTIAL

2. NAME OF OPERATOR  
Equitable Resources Energy Company, Balcon Oil Division

3. ADDRESS OF OPERATOR  
P.O. Box 21017, Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with all State requirements)\*  
At surface 517.8' FNL, 1850.2' FNL  
At top prod. interval reported below  
At total depth



14. PERMIT NO. 43-013-31421 DATE ISSUED 11-22-93

5. LEASE DESIGNATION AND SERIAL NO.  
U-C96547  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a  
7. UNIT AGREEMENT NAME  
Jonah Unit  
8. FARM OR LEASE NAME  
Balcon Monument Federal  
9. WELL NO.  
#21-14J  
10. FIELD AND POOL, OR WILDCAT  
Monument Butte/Green River  
11. SEC., T., R., N., OR ULOCK AND SURVEY OR AREA  
NE NW Section 14, T9S, R16E

12. COUNTY OR PARISH  
Duchesne  
13. STATE  
Utah

15. DATE SPUDDED 2-9-94 16. DATE T.D. REACHED 3-30-94 17. DATE COMPL. (Ready to prod.) 4-20-94 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)\* 5592.5' GL, 5602.5' KB 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TYD 5750' 21. FLUG, BACK T.D., MD & TYD 5687.9' KB 22. IF MULTIPLE COMPL., HOW MANY? n/a 23. INTERVAL DRILLED BY ROTARY TOOLS Sfc - TD CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD)\* 4608' - 5068' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL-GR-OCL-IPLT-ONL-MST AZIMUTHAL LATEROLOG MICROBFL 44-94 27. WAS WELL CORED No

CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLES SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"		24#	256' KB	12-1/4"	150 sxs "G" + additives	n/a
5-1/2"		15.5#	5732.57' KB	7-7/8"	160 sxs Thrifty-Lite and 270 sxs 50-50 POZ.	n/a

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
n/a					2-7/8"	5131.69' KB

PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5057'-5068' (4 SPF)		5057' - 5068'	16,000# 20/40 sand & 15,000# 16/30 sand w/14,994 gallons 2% KCL gelled wtr & 500 gallons 15% HCL.
4608'-4612' (4 SPF)		4608' - 4612'	12,100# 16/30 sand w/8852 gallons 2% KCL gelled wtr & 500 gallons 15% HCL.

33.\* PRODUCTION KCL gelled wtr & 500 gallons 15% HCL.  
DATE FIRST PRODUCTION 4-20-94 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-1-94	24	r/a	→	45	0	0	0
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	45	0	0	same	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel. TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct, as determined from all available records  
SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 5-16-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## GEOLOGIC MARKERS

NAME	TOP	
	NEAS. DEPTH	

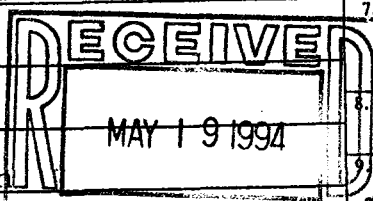
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE



1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.  
P.O. Box 21017, Billings, MT 59104 (259-7860)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE NW Section 14, T9S, R16E  
517.8' ENL, 1850.2' FWL

5. Lease Designation and Serial No.  
U-096547

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Jonah Unit

8. Well Name and No.  
Balcron Monument Federal #21-14J

9. API Well No.  
2-012-31421

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State  
Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Site Security Diagram	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the Site Security Diagram for this well.

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 5-16-94

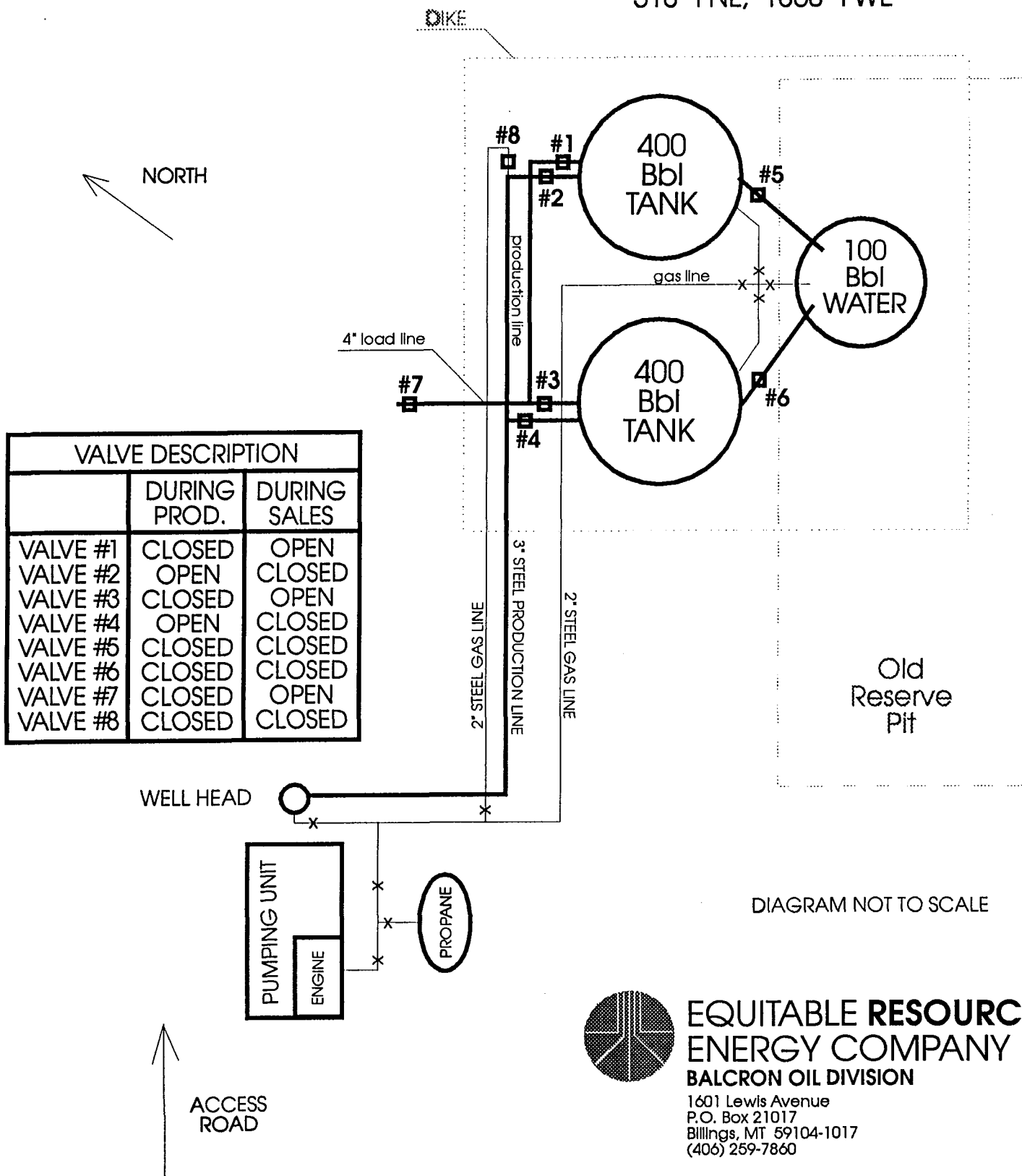
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# Equitable Resources Energy Company Balcron Monument Federal 21-14J Production Facility Diagram

Balcron Monument Federal 21-14J  
NE NW Sec. 14, T9S, R16E  
Duchesne County, Utah  
Federal Lease #U-096547  
518' FNL, 1850' FWL

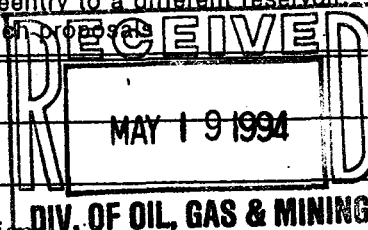


**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**CONFIDENTIAL**FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993**SUNDRY NOTICES AND REPORTS ON WELLS**Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE



5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #21-14J

9. API Well No.

43-013-31421

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104

(406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 14, T9S, R16E

517.8' FNL, 1850.2' FWL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☒
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- ☐
- Abandonment
- 
- ☐
- Recompletion
- 
- ☐
- Plugging Back
- 
- ☐
- Casing Repair
- 
- ☐
- Altering Casing
- 
- ☒
- Other
- Onshore Order #7
- 
- ☐
- Change of Plans
- 
- ☐
- New Construction
- 
- ☐
- Non-Routine Fracturing
- 
- ☐
- Water Shut-Off
- 
- ☐
- Conversion to Injection
- 
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title

Regulatory and  
Environmental SpecialistDate 5-16-94

(This space for Federal or State office use)

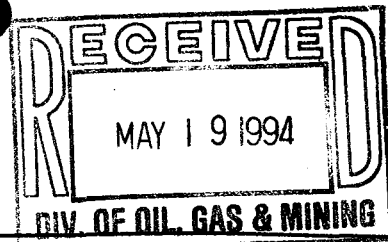
Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Balcron Monument Federal #21-14J  
API number: 43-013-31421
2. Well location: QQ NE NW section 14 township 9S range 16E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division  
Address: P.O. Box 21017 phone: (406)259-7860  
Billings, MT 59104
4. Drilling contractor: Union Drilling  
Address: Drawer 40 phone: (304)472-4610  
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water reported during drilling operations.	

6. Formation tops: See Geological Report submitted separately.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman  
Title Regulatory & Environmental Specialist

Signature Bobbie Schuman  
Date 5-16-94

Comments:

(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN **PLICATE\***  
(See other instructions on reverse side)

Budget Bureau No. 4604-013.  
Expires August 31, 1985

WELL COMPLETION\*OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
1b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESER. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Equitable Resources Energy Company, Balcon Oil Division							
3. ADDRESS OF OPERATOR P.O. Box 21017, Billings, MT 59104							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 517.8' FNL, 1850.2' FWL At top prod. interval reported below At total depth							
14. PERMIT NO. 43-013-31421 DATE ISSUED 11-22-93							
5. LEASE DESIGNATION AND SERIAL NO. U-C96547							
6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a							
7. UNIT AGREEMENT NAME Jonah Unit							
8. FARM OR LEASE NAME Balcon Monument Federal							
9. WELL NO. #21-14J							
10. FIELD AND POOL, OR WILDCAT Monument Butte/Green River							
11. SEC., T., R., S., OR BLOCK AND SURVEY OR AREA NE NW Section 14, T9S, R16E							
12. COUNTY OR PARISH Duchesne				13. STATE Utah			
15. DATE SPUNDED 2-9-94		16. DATE T.D. REACHED 3-30-94		17. DATE COMPL. (Ready to prod.) 4-20-94		18. ELEVATIONS (OF, RKB, RT, OR, ETC.)* 5592.5' GL, 5602.5' KB	
19. ELEV. CASING HEAD n/a		20. TOTAL DEPTH, MD & TVD 5750'		21. FLUG, BACK T.D., MD & TVD 5687.9' KB		22. IF MULTIPLE COMPL., HOW MANY* n/a	
23. INTERVAL DRILLED BY Sfc - TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4608' - 5068' Green River		25. ROTARY TOOLS CABLE TOOLS n/a		26. WAS WELL CORED No	
27. TYPE ELECTRIC AND OTHER LOGS RUN CBL-GR-OCL-IPLT-ONL-MSCT							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		AMOUNT PULLED	
8-5/8"		24#		256' KB		12-1/4"	
5-1/2"		15.5#		5732.57' KB		7-7/8"	
						150 sxs "G" + additives	
						160 sxs Thrifty-Lite and	
						270 sxs 50-50 POZ.	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		BACKS CEMENT*	
n/a						SURREN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8"		5131.69' KB		n/a			
31. PERFORATION RECORD (Interval, size and number)							
5057'-5068' (4 SPF) 4608'-4612' (4 SPF)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5057' - 5068'				16,000# 20/40 sand & 15,000# 16/30 sand w/14,994 gallons 2% KCL gelled wtr & 500 gallons 15% HCL.			
4608' - 4612'				12,100# 16/30 sand w/8852 gallons 2% KCL gelled wtr & 500 gallons 15% HCL.			
33. PRODUCTION KCL gelled wtr & 500 gallons 15% HCL.							
DATE FIRST PRODUCTION 4-20-94		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 5-1-94		HOURS TESTED 24		CHOKER SIZE r/a		PROD'N. FOR TEST PERIOD 45	
OIL—BBL. 45		GAS—MCF. 0		WATER—BBL. 0		OAS-OIL RATIO 0	
FLOW, TUBING PRESS. n/a		CASING PRESSURE n/a		CALCULATED 24-HOUR RATE 45		OIL GRAVITY-API (CORR.) same	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.							
35. LIST OF ATTACHMENTS							

36. I hereby certify that the foregoing and attached information is complete and correct, as determined from all available records

SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 5-16-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any (false, fictitious or fraudulent) statements or representations as to any matter within its jurisdiction.

38.

See Geological Report, submitted separately.

**UTAH DIVISION OF OIL, GAS AND MINING  
EQUIPMENT INVENTORY**

Operator: Equitable Resources Co Lease: State:      Federal: Y Indian:      Fee:     

Well Name: Balcron Mon. Fed. #21-14J API Number: 43-013-31421

Section: 14 Township: 9S Range: 16E County: Duchesne Field: Monument Butte

Well Status: POW Well Type: Oil: Y Gas:     

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY:     

Y Well head      Boiler(s)      Compressor      Separator(s)  
     Dehydrator(s)      Shed(s)      Line Heater(s)      Heated Separator  
     VRU      Heater Treater(s)

**PUMPS:**

     Triplex      Chemical (1) Centrifugal

**LIFT METHOD:**

Y Pumpjack      Hydraulic      Submersible      Flowing

**GAS EQUIPMENT:**

N Gas Meters N Purchase Meter N Sales Meter

**TANKS: NUMBER**

**SIZE**

<u>Y</u> Oil Storage Tank(s)	<u>2-400 w/Burners</u>	BBLS
<u>Y</u> Water Tank(s)	<u>1-150 Pit Tank</u>	BBLS
<u>    </u> Power Water Tank	<u>    </u>	BBLS
<u>    </u> Condensate Tank(s)	<u>    </u>	BBLS
<u>(1)</u> Propane Tank	<u>    </u>	

REMARKS: Small Centrifugal f/trace system. Sale & residue lines  
have been run into location -- are 2" and 1" plastic pipe. Not  
hooked up yet. Faring some gas.

Location central battery: Qtr/Qtr:      Section:      Township:      Range:     

Inspector: Dennis Ingram Date: 5/6/94

pow

D 12T P. LK

↑ NORTH

60' Berm

1-150 SUBSUNAR  
TANK W/WIRE  
TOP

45  
BERM

2-400 w/BURNERS

DIRT  
PILE

WELLHEAD

Pump Jack

PROPANE  
TANK

ENTRANCE



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

June 21, 1994

**CONFIDENTIAL**

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah

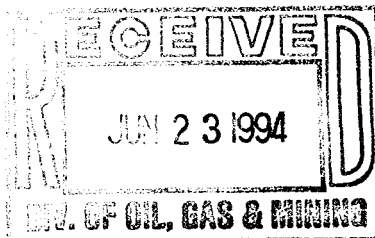
Enclosed for your files is a copy of the CBL-GR-CCL log for the subject well. Your letter of 6-13-94 also indicates that an IPLT log was listed on the Completion Report, this log was listed in error and was never run on the well.

Please feel free to contact me if you need any additional information.

Sincerely,

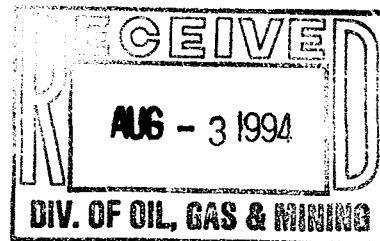
Molly M. Conrad  
Operations Secretary

/mc



APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Equitable Resources Energy Company,  
Balcron Oil Division  
ADDRESS P.O. Box 21017  
Billings, MT 59104



13

Well name and number: Balcron Monument Federal #21-14J

Field or Unit name: Monument Butte Field/Jonah Unit Lease no. U-096547

Well location: QQ NE NW section 14 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? . . Yes ☒ No ☐  
Disposal? . . . . . Yes ☐ No ☒  
Storage? . . . . . Yes ☐ No ☒

Is this application for a new well to be drilled? . . . . . Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes ☐ No ☒

Date of test: \_\_\_\_\_

API number: 43-013- 31421

Proposed injection interval: from 4,608' to 5,068'

Proposed maximum injection: rate 600 BWPD pressure 2000 psig

Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: UIC Permit Application

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman  
Title Regulatory and Environmental Specialist Date August 2, 1994  
Phone No. (406) 259-7860

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

INJECTION PERMIT TRACKING RECORD

Company: Egmont Well: 21-14 J.

Location: Sec. 14 Twn: 9S Rng: 16E QtQt: NESW

County: Duch Field: M.B Unit: Jenah

API No.: 43-013-31421

Date Received: 8/3/94

Cause Number: \_\_\_\_\_

Notice Date: \_\_\_\_\_

Conversion Approval: \_\_\_\_\_

Permit Issued: \_\_\_\_\_

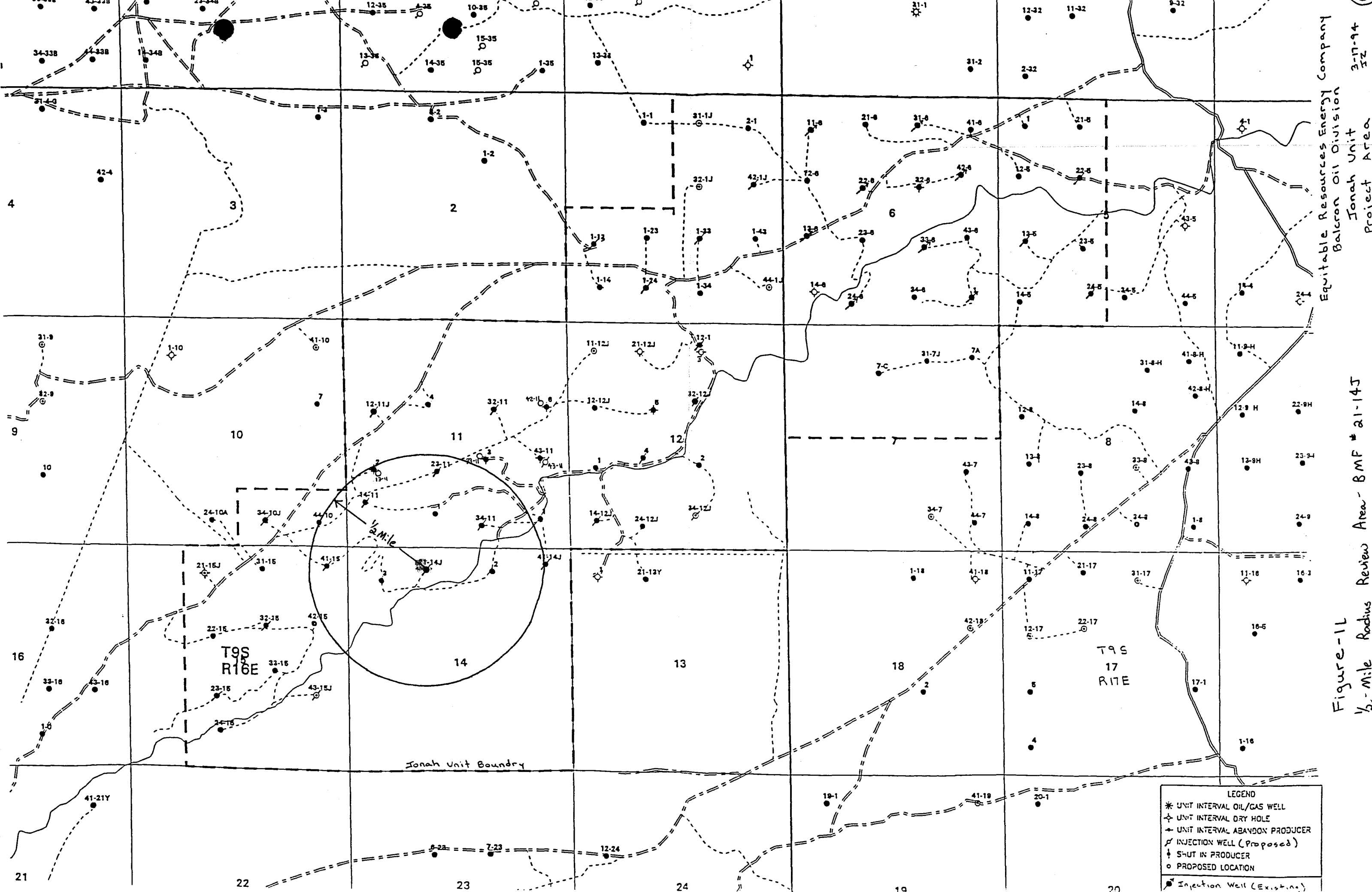
Commencement: \_\_\_\_\_

Drilled: Y

Code: E

Hearing Date: \_\_\_\_\_

Wells In AOR: \_\_\_\_\_





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 1, 1994

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-152

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement  
Administrative Secretary

Enclosure  
WOI168





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
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September 1, 1994

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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Enclosure  
WOI168



**Equitable Resources Energy Company  
44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J,  
C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells  
Cause No. UIC-152**

Publication Notices were sent to the following:

Newspaper Agency Corporation  
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157 Regent Street  
Salt Lake City, Utah 84110

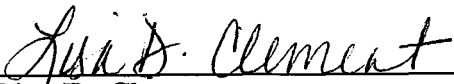
Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Dan Jackson  
U.S. Environmental Protection Agency  
Region VIII  
999 18th Street  
Denver, Colorado 80202-2466

Ed Bonner  
State Lands and Forestry  
3 Triad Center, Suite 400  
Salt Lake City, Utah 84180-1204

  
\_\_\_\_\_  
Lisa D. Clement  
Administrative Secretary  
September 1, 1994

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF EQUITABLE RESOURCES ENERGY	:	
COMPANY FOR ADMINISTRATIVE	:	CAUSE NO. UIC-152
APPROVAL TO CONVERT THE 44-1J, 34-10J,	:	
34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J,	:	
14-12J, 32-12J, C & O GOVERNMENT #4,	:	
21-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS,	:	
LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 15,	:	
TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, TO CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

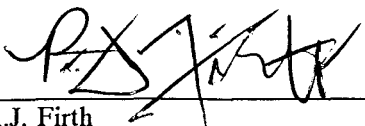
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14 & 15, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4590 - 5614 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 1st day of September, 1994.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
\_\_\_\_\_  
R.J. Firth  
Associate Director, Oil and Gas

143 SOUTH MAIN ST  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

# Newspaper Agency Corporation

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### AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-152 BEFORE DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-152  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O GOVERNMENT #4, 21-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS, LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M., DUCHESNE COUNTY, UTAH, TO CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14, & 15, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II Injection Wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

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DATED this 1st day of September, 1994.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
/s/ R.J. Firth, Associate Director, Oil and Gas

SEP 12 1994

94

ACCOUNT NAME		TELEPHONE
& MINING		801-538-5340
SCHEDULE		AD NUMBER
		98710280
CAPTION		MISC. CHARGES
NOTICE OF AGENCY ACTION CAUSE NO. UIC-152 BEFORE		.00
TIMES		AD CHARGE
2 COLUMN 1		160.72
ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE
		160.72

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**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** Balcron Oil      **Location:** Jonah Unit

**Wells:** Federal 34-10,12-11,14-11,23-11,32-11,34-11,43-11,  
C&O Govt. #4,12-12,14-12,32-12,21-14,41-14,23-15,32-15,  
41-15 and 44-1

**Ownership Issues:** The proposed wells are located in sections 1,10,11,12,14 and 15 township 9 south, range 16 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

**Well Integrity:** The seventeen wells proposed for conversion to injection all have surface casing set at approximately 300 feet  $\pm$  30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 5800 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4590-5614 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 27 producing wells, 17 injection wells and 5 plugged and abandoned wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

**Ground Water Protection:** The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .861 psi/ft resulting in a maximum allowed surface pressure of 2000 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

**Oil/Gas & Other Mineral Resources Protection:** Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

**Bonding:** Balcron is the operator of all wells within the project and is bonded by the Federal Government.

**Actions Taken and Further Approvals Needed:** These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue both an approval to convert the wells and an injection permit. There are no special conditions or stipulations and the permit should be granted in accordance with the conditions set forth in the application.

DJJ  
Reviewers

09-30-94  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached listing

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

See attached listing

9. API Well No.

See attached listing

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator intends to convert the wells on the attached listing to water injection in accordance with the attached injection well completion diagrams. Water will be injected at a rate of 5-6 STBWPDP per foot of pay (average 180-200 STBWPDP). The proposed conversion and water injection will commence as soon as Utah State UIC permits are approved.

14. I hereby certify that the foregoing is true and correct

Signed

*Bobbie Schuman*  
Bobbie Schuman

Title

Regulatory and  
Environmental Specialist

Date

9-12-94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

BALCRON MONUMENT FEDERAL #21-14J  
Jonah Unit/Monument Butte Field  
Lease No. U-096547  
NE NW Section 14, T9S, R16E  
Duchesne County, Utah

161  
BALCRON OIL  
7-6-94/ks

Proposed Injection Well Completion Diagram

Elev. GL @ 5592'  
Elev. KB @ 5602' (10' KB)

SURFACE CASING

8-5/8", 24#, J-55  
Length @ 248.40'  
Landed @ 256' KB  
Cemented w/150 sacks "G" w/2% CCL &  
1/4# per sack Celloflakes.  
Cemented to surface.  
Hole Size @ 12-1/4".

PRODUCTION CASING

5-1/2", 15.5#, K-55  
Length @ 5723.57'.  
Landed @ 5732.57' KB  
Cemented w/160 sacks Thifty-Lite &  
tail w/270 sacks 50-50 POZ.  
Cement top @ 2075' per CBL  
Hole size 7-7/8".

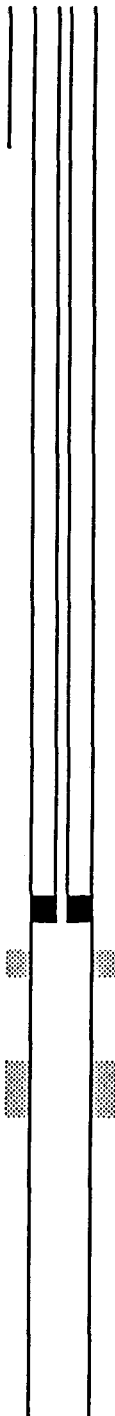
TUBING

2-7/8", 6.5#, J-55  
S.N. @ 2-7/8" x 1.10" (2.25" ID)  
SN landed @ 4526' KB

Retrievable Csg Tension Packer  
Model: Arrow Set-1  
Landed @ 4530' KB

Proposed Injection Horizons

4608'-4612' (4')	(4 SPF)	RED1
5057'-5068' (11')	(4 SPF)	GREEN4



← 256' KB

— Uintah Formation @ Surface to 1400' —

← Top of Cement @ 2075' from CBL

— Green River Formation @ 1400' to 4100' —

← Retrievable Csg Tension Packer @ 4530' KB

PERFORATION RECORD

4608'-4612' (4')	(4 SPF)	RED1
5057'-5068' (11')	(4 SPF)	GREEN4

— Douglas Creek Member @ 4100' to 5350' —

PBTD @ 5688' KB  
TD @ 5750' KB

— Wasatch Formation Transition @ 5350' to 6000' —  
— Wasatch Formation @ 6000' —

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ZONE	LEASE NO.	API NUMBER	FOOTAGES	UNIT
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Jonah
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	Green River	U-017985	43-013-31416	592' FSL, 1979.2' FEL	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	Green River	U-035521	43-013-31419	1804.8' FNL, 2138.6' FEL	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Jonah
Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Jonah
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Jonah
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	Green River	U-096547	43-013-31421	517.8' FNL, 1850.2' FWL	Jonah
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31002	2126.9' FSL, 692.8' FEL	Jonah
Walton Federal #34-11	Monument Butte	SW SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31003	537' FSL, 2092' FEL	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	Green River	U-096550	43-013-31408	363.3' FNL, 600' FEL	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	Green River	U-096550	43-013-31410	738.6' FNL, 648.2' FWL	Jonah
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	Green River	U-44426	43-013-31415	859' FSL, 338' FEL	Jonah



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

September 12, 1994

SEP 13 1994

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON MONUMENT Federal 21-147*  
*Sec 14 T9S R16E*  
*43-013-31421*

Gentlemen:

Enclosed are Notices of Intent to convert the seventeen wells on the enclosed list to water injection.

If you have any questions or need additional information, please let me know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Dan Jarvis, Utah Division of Oil, Gas and Mining



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-152

Operator: Equitable Resources Energy Company

Wells: Monument Butte Federal 34-10, 12-11, 14-11, 23-11,  
32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14,  
41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4

Location: Sections 1, 10, 11, 12, 14 and 15, Township 9 S,  
Range 16 E,  
Duchesne County

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Wells issued on October 4, 1994.
2. Maximum Allowable Injection Pressure: 2000 psig
3. Maximum Allowable Injection Rate: 600 bbls per day/well

Approved by:

R.J. Firth  
Associate Director, Oil and Gas

10/4/94

Date



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

October 4, 1994

Equitable Resources Energy Company  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, Montana 59104

Re: Monument Butte Federal 34-10, 12-11, 14-11, 23-11, 32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14, 41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4 Wells Located in Sections 1, 10, 11, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the enclosed Underground Injection Control Permit and the application submitted by Equitable Resources Energy Company.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

R.J. Frith  
Associate Director

cc: Dan Jackson, EPA  
Bureau of Land Management, Vernal



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 17 1995

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 14, T9S, R16E  
518' FNL, 1850' FWL

5. Lease Designation and Serial No.

U-096547

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or C.A. Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #21-14J

9. API Well No.

43-013-31421

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well has been converted to water injection in accordance with permit approval. Refer to the attached workover procedure, well report, and injection well completion diagram for details of the conversion.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman  
(This space for Federal or State office use)

Regulatory and  
Title Environmental Specialist

Date January 13, 1995

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Lease No. U-096547  
Jonah Unit/Monument Butte Field  
Duchesne County, Utah

Well History Report

Date

Work History

Conversion of well to water injection

9-28-94	- MIRU Basin Well Service, TOO H w/rods,pump, & tbg.
10-15-94	- RIH w/bit & scrapper to TD.
	- RIH w/ 2 7/8" injection tbg & Arrow Set-1 packer.
	- Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg.
	- Set packer @ 4516' KB, NU wellhead, pressure test csg annulus to 1000 psig. no loss, RDMO.
10-18-94	Perform MIT, pressure csg annulus to 900 psig for 15 min., no loss, tbg @ 500 psig, Utah OG&M witness Dan Jarvis.
10-28-94	RU Alnigther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., 1.5 STBPM @ 800 psig, start water injection @ 125 STBPD.

BALCRON OIL  
1-12-94 JZ

### Injection Well Completion Diagram

UTAH CAUSE NO.: UIC-152

UTAH CAUSE NO.

← 256' KB

- Uintah Formation @ Surface to 1400'

← Top of Cement @ 2075' from CBL

- Green River Formation @ 1400' to 4100'

← Arrow Set-1 Packer @ 4513' KB

41%

59%

PERFORATION RECORD

4608'- 4612' (4')	(4 SPF)
5057'- 5068' (11')	(4 SPF)

- Douglas Creek Member @ 4100' to 5350'

PBTD @ 5688' KB

TD @ 5750' KB

- Wasatch Formation Transition @ 5350' to

- Wasatch Formation @ 6000'

## BALCRON OIL

## WELL REPORT

WELL NAME: Balcron Monument Federal #21-14J  
 FIELD: Jonah Unit/Monument Butte Field  
 FEDERAL LEASE NO.: U-096547  
 LOCATION: NE NW Section 14, T9S, R16E  
 518' FNL & 1850' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.805079506  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 4-21-94  
 INITIAL PRODUCTION: 45 BO, 0 MCFG, 0 BWPD  
 LAST PRODUCTION: 27 STBOPD, 50 MCFPD, 0.25 STBWPD  
 PRESENT PROD STATUS: Water Injection Well  
 Started Water injection 10-28-94.  
 CONVERSION TO INJ.: 10-15-94  
 INJECTION RATE: 125 STBWPD  
 ELEVATIONS - GROUND: 5592' GL  
 TOTAL DEPTH: 5750' KB

DATE: 1-12-94 JZ

API NO.: 43-013-31421

UTAH CAUSE NO.: UIC-152

NET REVENUE INT.: Oil - 0.73831617  
 Gas - 0.66359285

SPUD DATE: 2-9-94

OIL GRAVITY: 34 API

BHT: 138 Deg F

LAST MIT DATE: 10-18-94

900 psig for 15 min., no loss.

KB: 5602' (10' KB)

PLUG BACK TD: 5688' KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24 lbs  
 LENGTH: 6 jts @ 248.40'  
 DEPTH LANDED: 256' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sacks "G" w/2% CCL &  
 1/4 lb per sack Celoflakes.  
 Cemented to surface.

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5 lbs  
 LENGTH: 5723.57'  
 DEPTH LANDED: 5732.57' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 160 sacks Thrifty-Lite and  
 tail w/270 sacks 50-50 POZ.  
 CEMENT TOP AT: 2075' KB per CBL

## TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 144 jrts 2 7/8" tbg	4494.90	4504.90
2) 2 7/8" SN (2.25" ID)	1.10	4506.00
3) 2 7/8"x 2 3/8" X-Over	0.75	4506.75
4) 5.5" Arrow Set-1 Pkr	6.20	4512.95
End of Tubing		4512.95

Injection Packers Set 10-15-94 By Mtn States.

Arrow Set-1 Pkr 5 1/2"x 2 3/8"

2 7/8" SN ID @ 2.25".

Arrow Set-1 Pkr set w/ 14" Tension.

Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

## Injection Horizons

4608'- 4612' (4')	RED1
5057'- 5068' (11')	GREEN4

## PERFORATION RECORD

4608'- 4612' KB	(4 SPF)	RED 1
5057'- 5068' KB	(4 SPF)	GREEN 4

## BREAKDOWN/ACID JOB

\*\* See Attached Sheet \*\*

## FRAC JOB

\*\* See Attached Sheet \*\*

LOGS: Azimuthal Laterolog/Micro SFL; Compensated  
 Neutron/Litho Density; Repeat Formation  
 Tester; Multiple Isotope Spectroscopy Log;  
 Mud Log; Cement Bond/Gamma Ray/CCL Log;  
 Mechanical Sidewall Coring Tool (Cores cut  
 @ 2619', 4081', 4088', 4609', 4611', 4748',  
 4827', 5062', 5107', 5241', 5474', 5519')

Balcron Monument Federal #21-14J  
NE NW Section 14, T9S, R16E  
Lease No. U-096547  
Jonah Unit/Monument Butte Field  
Duchesne County, Utah  
Page Two

ACID/BREAKDOWN

---

5057'-5068' KB - 4-5-94 by Western w/500 gals 15% HCL acid. ISIP 1000 psi.

4608'-4612' KB - 4-11-94 by Western w/500 gals 15% HCL acid. ATP 3200 psi, max 5000 psi.  
ATR 4 BPM, max 4 BPM. ISIP 1400 psi.

FRAC JOB

---

5057'-5068' KB - 4-6-94 by Western & Protechnics w/16,000# 20/40 mesh sand and 15,000#  
16/30 mesh sand w/14,994 gals 2% KCL gelled wtr. ATP 3200 psi, max  
3500 psi. ATR 24 BPM, max 25 BPM. ISIP 2000 psi, 5 min 1950 psi,  
10 min 1700 psi, 15 min 1650 psi.

4608'-4612' KB - 4-11-94 by Western & Protechnics w/12,100# 16/30 mesh sand  
w/8,852 gals 2% KCL gelled wtr. ATP 3900 psi, max 4600 psi.  
ATR 25.1 BPM, max 25.6 BPM. ISIP 1950 psi, 5 min 1580 psi.  
10 min 1520 psi, 15 min 1310 psi.

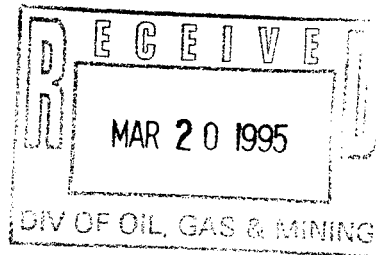


**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒



March 16, 1995

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

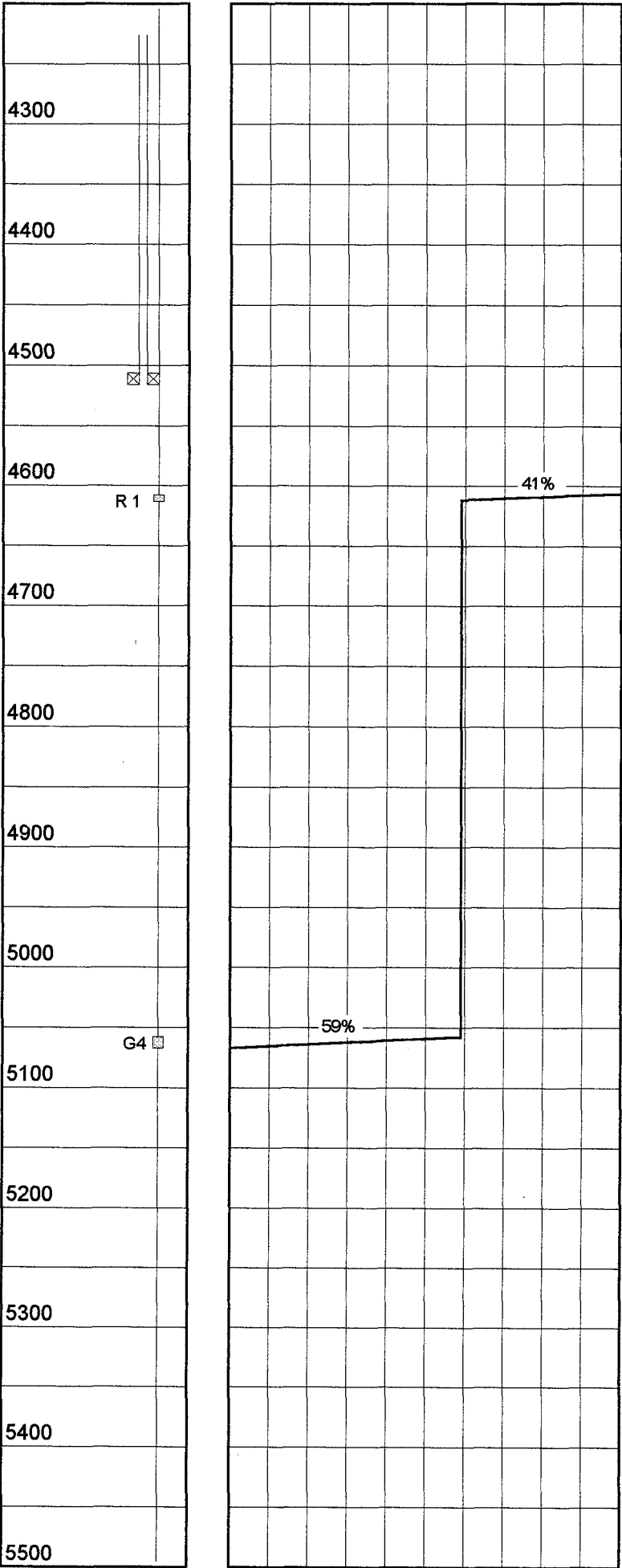
Attachments

EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION  
INJECTION PROFILE

BALCRON MONUMENT  
FEDERAL 21-14J

Date: 12/29/94	Desired Rate: 125 B/D
Surface Temp: 46 F	Metered Rate: 125 B/D
BHT: 152 F	Measured Rate: 122 B/D
PBTD: 5688	Tbg Pressure: 300 PSI
TD: 5629	Csg Pressure: 100 PSI

0 10 20 30 40 50 60 70 80 90 100



**Remarks:** R/A Tracer survey indicates exits as shown. Packer checks okay.  
At the beginning of the survey the casing valve was opened and casing pressure went to zero. The casing valve was left open during the survey but flowed at a very slow drip.  
**Service Company:** Well Information Services, Inc.  
**Operator:** Bart Williams

STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/18/99</u>	Well Owner/Operator: <u>Bakron</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31421</u>	Well Name/Number: <u>21-14J</u>
Section: <u>14</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: 5 I Pressure: 500 psi

Casing/Tubing Annulus - Pressure: 900 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>900</u>	<u>500</u>
5	<u>900</u>	<u>11</u>
10	<u>900</u>	<u>1</u>
15	<u>900</u>	<u>1</u>
20	_____	<u>1</u>
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 500 psi

Casing/Tubing Annulus Pressure: \_\_\_\_\_ psi

REMARKS:

Well Passed M.T.T.

\_\_\_\_\_

\_\_\_\_\_

Operator Representative

[Signature]  
DOGMA Witness

STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>7/13/95</u>	Well Owner/Operator: <u>Equivitable</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31421</u>	Well Name/Number: <u>21-14</u>
Section: <u>14</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: \_\_\_\_\_ psi

Casing/Tubing Annulus - Pressure: \_\_\_\_\_ psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1100</u>	<u>1300</u>
5	<u>1100</u>	<u>1300</u>
10	<u>1100</u>	<u>1300</u>
15	<u>1100</u>	<u>1300</u>
20	_____	<u>1300</u>
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: \_\_\_\_\_ psi

Casing/Tubing Annulus Pressure: \_\_\_\_\_ psi

REMARKS: Withstood for 15 min passed MIT.

[Signature]  
Operator Representative

[Signature]  
DOGM Witness

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

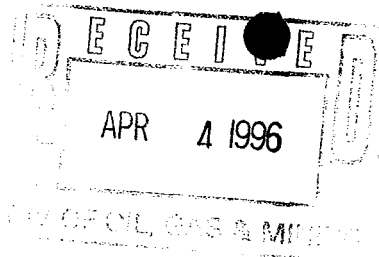
OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	<del>16E</del>	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

April 1, 1996

Mr. Dan Jarvis  
Utah Division of Oil, Gas and Mining  
UIC Program  
355 West North Temple  
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

# UTAH UIC PERMITS

Balcron Oil Monument Butte Jonah Unit Waterflood (new name)	
Formerly Monument Butte Area-A Waterflood Approved 12/22/92	
Area Permit No. UT2642-00000	
Allen Federal #22-6	UT2642-03729 (AREA PERMIT UT2642-00000)
Allen Federal #13-6	UT2642-03730 (AREA PERMIT UT2642-00000)
Allen Federal #31-6	UT2642-03731 (AREA PERMIT UT2642-00000) (State #UIC-142)
Allen Federal #1-6	UT2642-03732 (AREA PERMIT UT2642-00000)
Allen Federal #1A-5	UT2642-03733 (AREA PERMIT UT2642-00000)
	NOTE: Never converted to UIC - put back on production
Balcron Monument Fed. #11-6	UT2642-03734 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #24-6	UT2642-03735 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #33-6	UT2642-03736 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #42-6	UT2642-03737 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #13-5J	UT2642-04208 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #22-5J	UT2642-04209 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #24-5	UT2642-04210 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #31-7J	UT2642-04211 (AREA PERMIT UT2642-00000) (State #UIC-149)
Monument Butte #1-33	State #UIC-151
Monument Butte #1-24	State #UIC-151
Monument Butte #1-13	State #UIC-151
Balcron Monument Fed. #42-1J	State #UIC-151
Getty #12-1	State #UIC-151
Balcron Monument Fed. #41-15	State #UIC-152
Balcron Monument Fed. #32-15	State #UIC-152
Balcron Monument Fed. #23-15	State #UIC-152
Balcron Monument Fed. #41-14J	State #UIC-152
Balcron Monument Fed. #21-14J	State #UIC-152
Balcron Monument Fed. #32-12J	State #UIC-152
C & O Gov't #4	State #UIC-152
Balcron Monument Fed. #14-12J	State #UIC-152
Balcron Monument Fed. #12-12J	State #UIC-152
Balcron Monument Fed. #43-11J	State #UIC-152
Balcron Monument Fed. #32-11	State #UIC-152



**EQUITABLE RESOURCES  
ENERGY COMPANY**

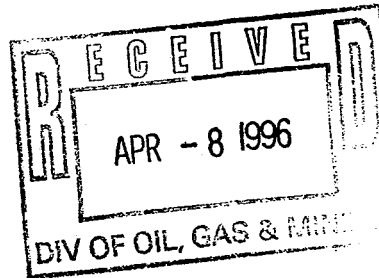
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

UTAH

Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |                                                    |                                               |
|----------------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |                                               |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |                                                                       |                                               |
|-----------------------------------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Abandon                                      | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |                                               |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEP 7-SJ	✓
2	DES-FILE	✓
3	VLD (GIL)	✓
4	RJE	✓
5	IE	✓
6	FILM	✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ~~XXX~~ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u>	(former operator)	<u>EQUITABLE RESOURCES ENERGY CC</u>
(address)	<u>1601 LEWIS AVE</u>	(address)	<u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>		<u>1601 LEWIS AVE</u>
	<u>phone (406) 259-7860</u>		<u>BILLINGS MT 59102-4126</u>
	<u>account no. N9890</u>		<u>phone (406) 259-7860</u>
			<u>account no. N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>D13-31421</u>	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yec 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yec 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Schae Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
- DTS sent to Ed Bonner - Trust Lands

### FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	✓43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	✓43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	✓43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	✓43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	✓43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	✓43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	✓43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	43-013-30666	44-7	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31382	13-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31427	33-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30675	24-8	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-30643	44-8-17B	09S	17E	8	INJW	Y
EQUITABLE RE	43-013-31580	13-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30616	11-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y
EQUITABLE RE	43-013-30518	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30516	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-31467	42-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N

## DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Recomplete  
☐ Convert to Injection ☐ Reperforate  
☐ Fracture Treat or Acidize ☐ Vent or Flare  
☐ Multiple Completion ☐ Water Shut-Off  
☒ Other Change of Operator

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- ☐ Abandon ☐ New Construction  
☐ Repair Casing ☐ Pull or Alter Casing  
☐ Change of Plans ☐ Reperforate  
☐ Convert to Injection ☐ Vent or Flare  
☐ Fracture Treat or Acidize ☐ Water Shut-Off  
☒ Other Change of Operator

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
 1601 Lewis Avenue  
 Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature: Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

(This space for State use only)

RECEIVED

OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED

OCT 13 1997

Well name and number: See Attached **\*\*JONAH (GREEN RIVER) UNIT**

Field or Unit name: See Attached API no. See Attached

Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached

Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.

Signature [Signature] Address 1601 Lewis Avenue

Title Director of Operations & Engineering Billings, MT 59102

Date 9-30-97 Phone ( 406 ) 259-7860

Comments:

NEW OPERATOR

Transfer approved by:

Name Chris A. Potter Company Inland Production Company

Signature [Signature] Address 475 - 17th Street, Suite 1500

Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202

Date 9-30-97 Phone ( 303 ) 292-0900

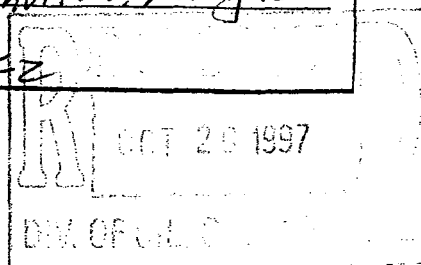
Comments:

(State use only)

Transfer approved by [Signature] Title Environ. Manager

Approval Date 1-20-98

CAUSE # 228-2



Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 15 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438

11431



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

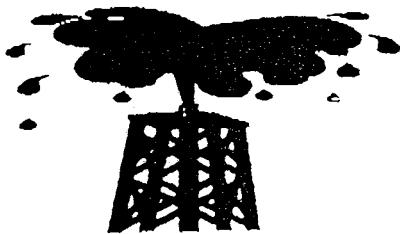
Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: *Lisha*  
*St of Utah.*

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

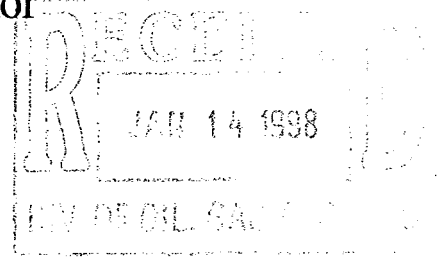
NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

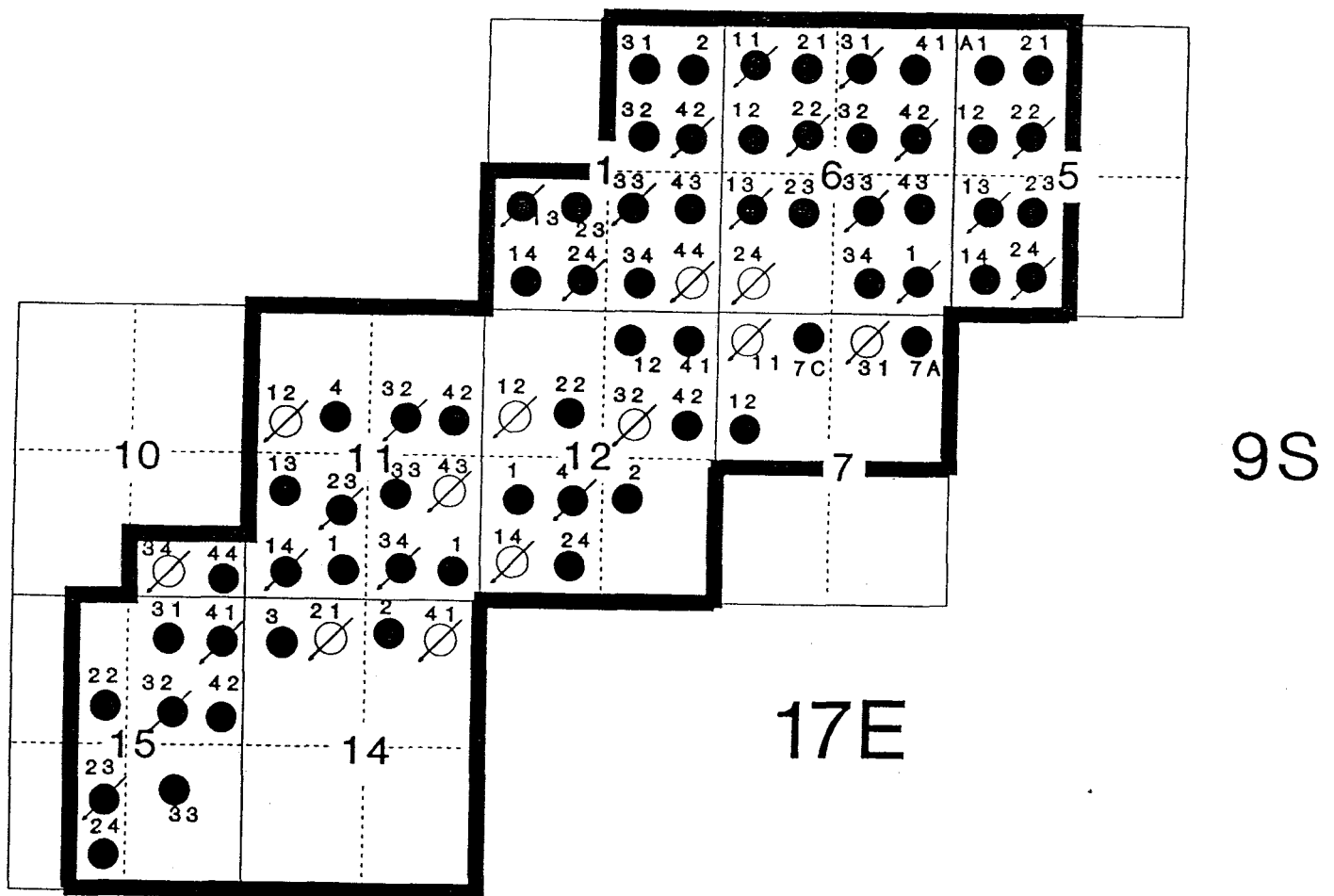
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NEWW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-IPC	6-VA
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JPB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97TO: (new operator) INLAND PRODUCTION COMPANY(address) PO BOX 1446ROOSEVELT UT 84066Phone: (801) 722-5103Account no. N5160

FROM: (old operator)

(address)

EQUITABLE RESOURCES ENERGYPO BOX 577LAUREL MT 59044C/O CRAZY MTN O&G SVSPhone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31421</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) \* UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98.
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Y 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (BP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- Y 2. A **copy of this form** has been placed in the new and former operator's bond files.
- Y 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) yes, as of today's date 11/13/98. If yes, division response was made to this request by letter dated 11/13/98.

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on 11/13/98 to Trust Lands at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 11/13/98 19 98, of their responsibility to notify all interest owners of this change.

## FILMING

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 23.98.

## FILING

- Y 1. **Copies** of all attachments to this form have been filed in each **well file**.
- Y 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980114 BLM/SL Aprv. eff. 1-13-98.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-096547</b>	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input checked="" type="checkbox"/> <b>INJECTOR</b>		<b>7. UNIT AGREEMENT NAME</b>  JONAH	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		<b>8. FARM OR LEASE NAME</b> MONUMENT FEDERAL 21-14J	
<b>3. ADDRESS OF OPERATOR</b> Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		<b>9. WELL NO.</b> MONUMENT FEDERAL 21-14J	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NW 0518 FNL 1850 FWL		<b>10. FIELD AND POOL, OR WILDCAT</b>  MONUMENT BUTTE	
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> NE/NW Section 14, T09S R16E	
<b>14. API NUMBER</b> 43-013-31421	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5593 GR	<b>12. COUNTY OR PARISH</b> DUCHESNE	<b>13. STATE</b> UT

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>5-Year M.I.T.</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

A MIT was performed on the subject well to fulfill the 5 year requirement. Mr. Dennis Ingram of the State DOGM was notified of the intent to conduct an MIT on May 30, 2000. On June 1, 2000 the casing annulus was pressured to 1100 psi and maintained for 30 minutes with no pressure loss. Mr. Ingram was able to witness and approved the test.

18 I hereby certify that the foregoing is true and correct  
SIGNED Jody Liddell TITLE Production Foreman DATE 6/2/00

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Accepted by the  
Utah Division of  
Oil, Gas and Mining

\* See Instructions On Reverse Side

COPY SENT TO OPERATOR  
Date: 6-6-00  
Initials: CLP

Date: 6/5/00  
By: [Signature]

RECEIVED  
JUN 05 2000  
DIVISION OF  
OIL, GAS AND MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dennis Ingram

Date 6/1/00

Time 11:45

am pm

Test Conducted by: Roy Liddell

Others Present: \_\_\_\_\_

Well: Monument Fed 21-142-9-16

Field: Monument Butte

Well Location:

NE/NW SEC. 14-T9S-R16E

API No: 43-013-31421

Duchesne Co, Utah

Time	Casing Pressure	
0 min	<u>1100</u>	psig
5	<u>1100</u>	psig
10	<u>1100</u>	psig
15	<u>1100</u>	psig
20	<u>1100</u>	psig
25	<u>1100</u>	psig
30 min	<u>1100</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

RECEIVED

JUN 05 2000

DIVISION OF  
OIL, GAS AND MINING

Tubing pressure: 1875

psig

Injecting @ 47.23

Result:

Pass

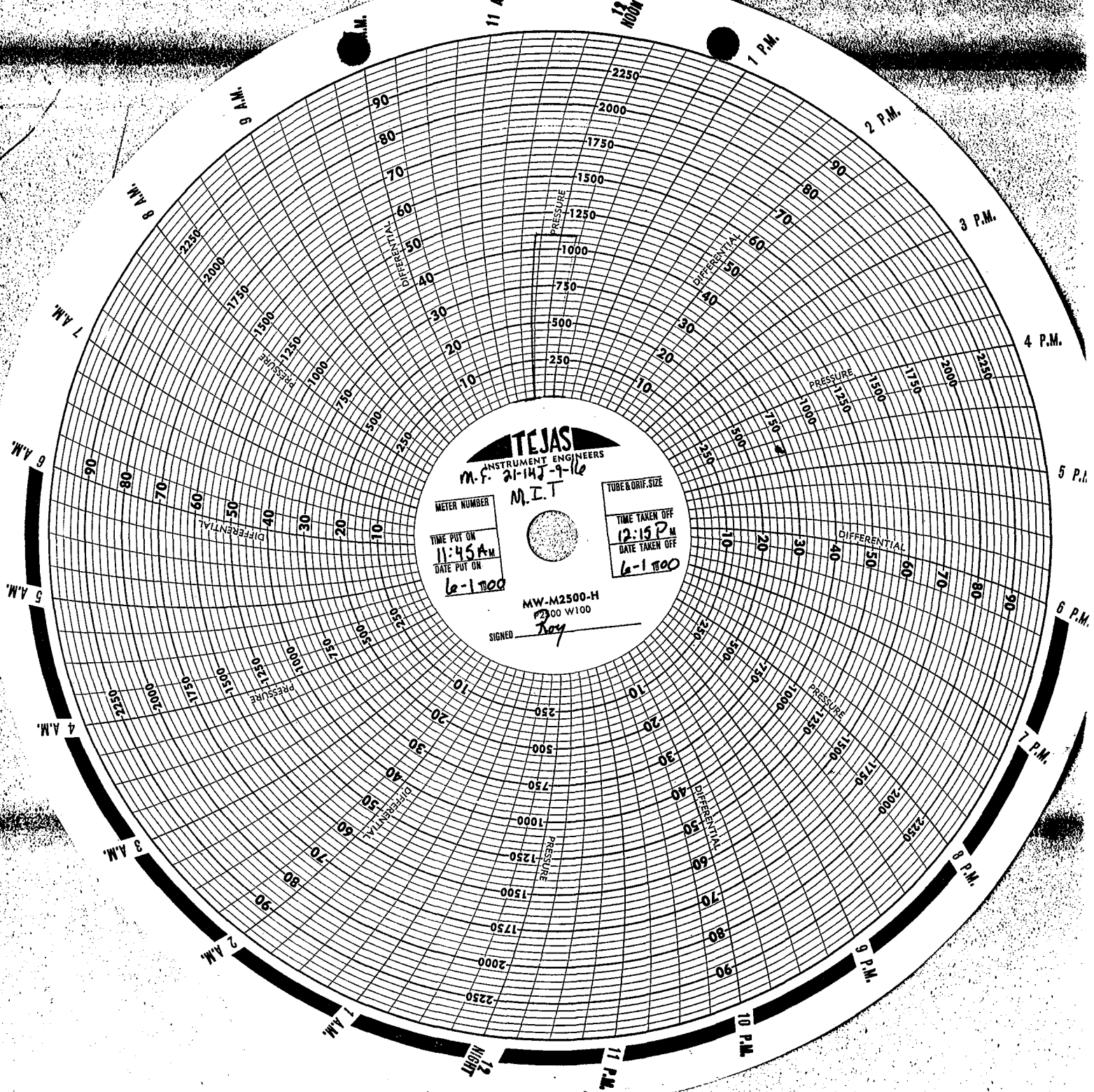
Fail

Signature of Witness:

Dennis Ingram

Signature of Person Conducting Test:

Roy Liddell



RECEIVED

JUN 05 2000

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: \_\_\_\_\_  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk Services Manager*Approval Date: 9-20-04

Comments:

Note: Indian Country wells will require EPA approval.RECEIVED  
SEP 20 2004

DIV. OF OIL, GAS &amp; MINING

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 31-1J	01	090S	160E	4301331413	11492	Federal	OW	P
MONUMENT FED 32-1J	01	090S	160E	4301331414	11492	Federal	OW	P
MON FED 44-1J	01	090S	160E	4301331415	11492	Federal	WI	A
MON FED 34-10J	10	090S	160E	4301331416	11492	Federal	WI	A
MON FED 12-11J	11	090S	160E	4301331417	11492	Federal	WI	A
MONUMENT FED 33-11J	11	090S	160E	4301331451	11492	Federal	OW	P
MONUMENT FED 24-12J	12	090S	160E	4301331409	11492	Federal	OW	P
MON FED 12-12J	12	090S	160E	4301331410	11492	Federal	WI	A
MON FED 14-12J	12	090S	160E	4301331411	11492	Federal	WI	A
MON FED 32-12J	12	090S	160E	4301331419	11492	Federal	WI	A
MON FED 42-12J	12	090S	160E	4301331486	11492	Federal	WI	A
MONUMENT FED 41-12J	12	090S	160E	4301331487	11492	Federal	OW	P
MON FED 41-14J	14	090S	160E	4301331408	11492	Federal	WI	A
MON FED 21-14J	14	090S	160E	4301331421	11492	Federal	WI	A
MONUMENT FED 21-15J	15	090S	160E	4301331422	11492	Federal	NA	PA
MON FED 31-7J	07	090S	170E	4301331405	11492	Federal	WI	A
MON FED 11-7J	07	090S	170E	4301331492	11492	Federal	WI	A
MONUMENT FED 12-7J	07	090S	170E	4301331493	11492	Federal	OW	P
JONAH 6-7	07	090S	170E	4301331987	11492	Federal	WI	A
JONAH 7-7	07	090S	170E	4301331988	11492	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED

MAY 23 2005

INJECTION WELL - PRESSURE TEST

DIV. OF OIL, GAS & MINING

Test Date: <u>5/20/05</u>	Well Owner/Operator: <u>Newfield</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31421</u>	Well Name/Number: <u>Monument Fed. 21-145</u>
Section: <u>14</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: 94 BPD Pressure: 2050 psi

Casing/Tubing Annulus - Pressure: 1340 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1340</u>	<u>2050</u>
5	<u>  </u>	<u>  </u>
10	<u>  </u>	<u>  </u>
15	<u>  </u>	<u>  </u>
20	<u>  </u>	<u>  </u>
25	<u>  </u>	<u>  </u>
30	<u>1340</u>	<u>2050</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 2050 psi

Casing/Tubing Annulus Pressure: 1340 psi

REMARKS:

5 year test

[Signature]  
Operator Representative

[Signature]  
DOGM Witness

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:	OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU096547
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	PHONE NUMBER 435.646.3721	7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0518 FNL 1850 FWL		8. WELL NAME and NUMBER: MON FED 21-14J
		9. API NUMBER: 4301331421
		10. FIELD AND POOL, OR WILDCAT: Monument Butte
QTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW, 14, T9S, R16E		COUNTY: Duchesne
		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/20/2005			<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - 5 Year MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5-18-05 Dave Hackford with the State of Utah DOGM was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 5-20-05. On 5-20-05 the csg was pressured up to 1350 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 2050 psig during the test. There was a State representative available to witness the test Dave Hackford. API# 43-013-31421.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 05-25-05

By: [Signature]

COPY SENT TO OPERATOR

Date: 5-26-05

Initials: CHD

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager  
SIGNATURE [Signature] DATE 05/24/2005

(This space for State use only)

RECEIVED

MAY 25 2005

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: David Heckford Date 5/20/05 Time 09:00 am/pm

Test Conducted by: Matthew Bertoch

Others Present: \_\_\_\_\_

Well: Monument Federal 21-MT-9-16

Field: Jonah Unit U4U-72086A

Well Location: NE/NW-See 14-T95-R16E

API No:

43-013-31421

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1350</u>	psig
5	<u>1350</u>	psig
10	<u>1350</u>	psig
15	<u>1350</u>	psig
20	<u>1350</u>	psig
25	<u>1350</u>	psig
30 min	<u>1350</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 2050 psig

Result:

Pass

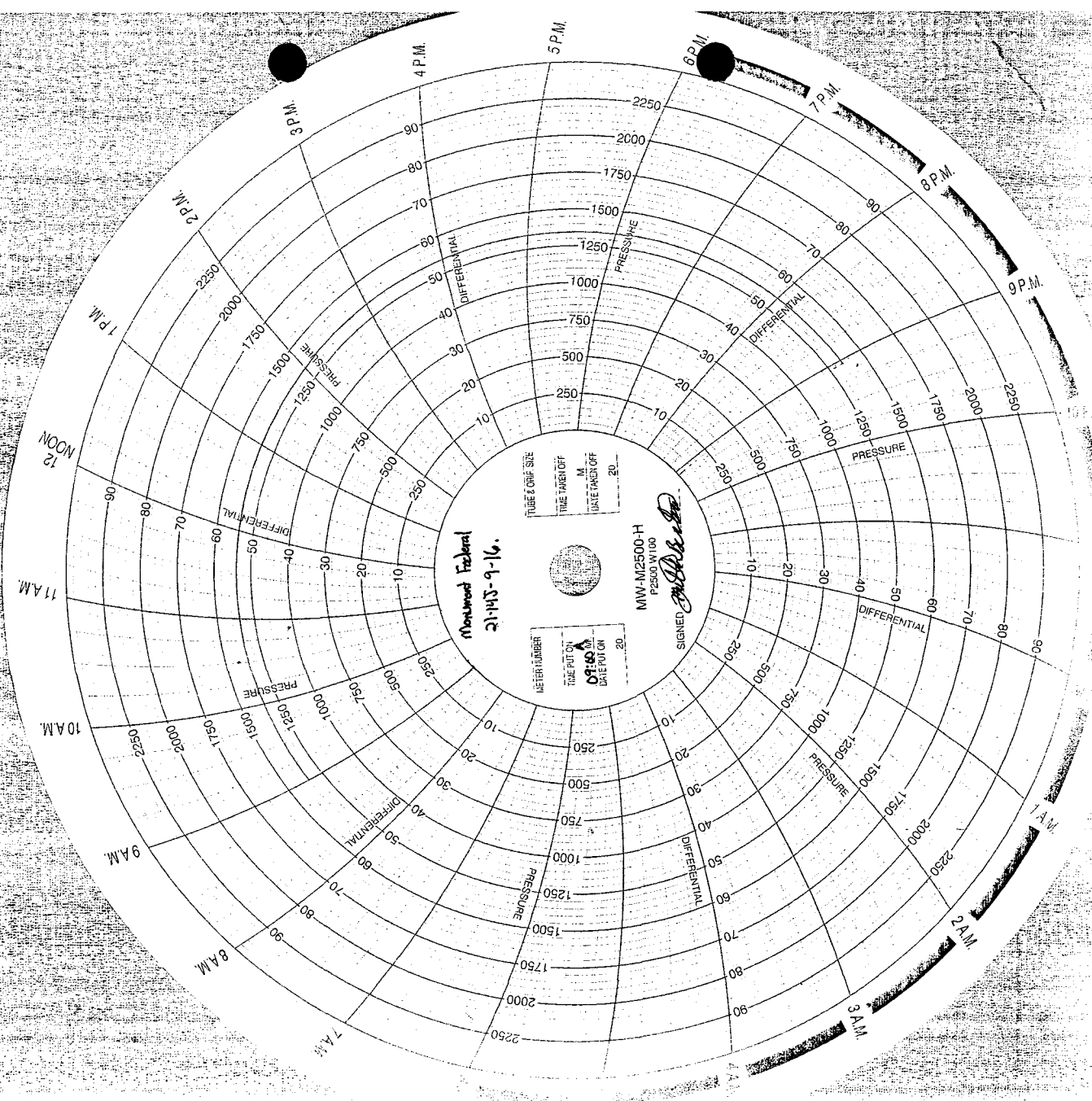
Fail

Signature of Witness:

David W. Heckford (DOGMA)

Signature of Person Conducting Test:

Matthew Bertoch



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>CUT</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-096547
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 518 FNL 1850 FWL		8. WELL NAME and NUMBER: MON FED 21-14J
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 14, T9S, R16E		9. API NUMBER: 4301331421
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 09/23/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was re-completed in the Green River Formation. Five new intervals were perforated, the CP2 sds @ 5512'-5528', CP1 sds @ 5472'-5486', B.5 4824'-4829', C 4743'-4749', & GB6 4077'-4090' all w/4 JSPF for a total of 216 shots. On 09-16-08 Dennis Ingram with the State of Utah DOGM was contracted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 09-18-08. On 09-18-08 the csg was pressured up to 1360 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 980 psig during the test. There was a State representative available to witness the test. (Dennis Ingram)  
API# 43-013-31421

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 09-29-08  
By: [Signature]

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech  
SIGNATURE [Signature] DATE 09/23/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 10.1.2008  
Initials: LS

RECEIVED

SEP 25 2008

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**MON 21-14J-9-16****7/1/2008 To 11/30/2008****9/5/2008 Day: 1****Recompletion**

Western #2 on 9/4/2008 - MIRU Western #2. ND wellhead. Release Arrowset1 pkr. NU BOP. SWIFN.

**9/6/2008 Day: 2****Recompletion**

Western #2 on 9/5/2008 - RU pump to tbg. Flush tbg. w/ 60 bbls water. POOH w/ tbg., stopping once to flush tbg. w/ 40 bbls water. RU The Perforators wireline. Perf CP3 sds @ 5613-31', CP2 sds @ 5512-28', CP1 sds @ 5472-86', B.5 sds @ 4824-29', C sds @ 4743-49', GB6 sds @ 4077-90'. RD wireline truck. RIH w/ 4 3/4" rock bit, 5 1/2" bit & scraper & 166 jts 2 7/8" N-80 tbg. from trailer (tallying & drifting). EOT @ 5380'. SWIFN.

**9/9/2008 Day: 3****Recompletion**

Western #2 on 9/8/2008 - Cont. RIH w/ tbg. Tag fill @ 5636'. C/O to PBTD @ 5688'. Circulate well clean. POOH w/ tbg. LD bit & scraper. RIH w/ 5 1/2" TS plug, on/off tool, 4' x 2 3/8" tbg. sub, 5 1/2" HD pkr. & 2 7/8" N-80 tbg. Break down all new perfs. Set TS plug @ 4120'. Leave HD pkr. unset. SWIFN.

**9/10/2008 Day: 4****Recompletion**

Western #2 on 9/9/2008 - Set HD pkr. @ 4014' w/ EOT @ 4024'. RU BJ Services. Acidize GB6 sds w/ 550 gals 15% HCL acid w/ additives as shown below. Open well to flattank. Flowback 10 bbls. RIH w/ swab. Made 5 runs. Recovered 45 bbls. RD swab. Release tools. Reset TS plug @ 4640 & HD pkr. @ 4564' w/ EOT @ 4574'. RU BJ Services. Acidize D2 sds w/ 200 gals 15% HCL acid as shown below. Open well to flattank. Flowback 43 bbls. Release tools. Reset TS plug @ 5093' & HD pkr. @ 5018' w/ EOT @ 5028'. RU BJ Services. Acidize A3 sds w/ 275 gals 15% HCL acid as shown below. Open well to flattank. Flowback 42 bbls. Release tools. See day4b. Set TS plug @ 5670' & HD pkr. @ 5444' w/ EOT @ 5454'. RU BJ Services. Frac CP2 sds @ 5512-28' & CP1 sds @ 5472-86' w/ 69,494#'s of 20/40 sand in 575 bbls of Lightning 17 fluid. Broke @ 3432 psi. Treated w/ ave pressure of 3553 psi w/ ave rate of 13.3 BPM. ISIP 2009 psi. Open well to flattank for immediate flowback @ approx. 3 bpm. Well flowed for 1.5 hrs. Recovered 180 bbls. Release HD pkr. RIH w/ tbg. Tag sand @ 5600'. C/O to TS plug @ 5670'. Release TS plug. Reset TS plug @ 4862'. Leave HD pkr. hanging. SWIFN.

**9/11/2008 Day: 5****Recompletion**

Western #2 on 9/10/2008 - Set HD pkr. @ 4700' w/ EOT @ 4710'. RU BJ Services. Frac B.5 sds @ 4824-29' & C sds @ 4743-49' w/ 22,799#'s of 20/40 sand in 234 bbls of Lightning 17 fluid. Broke @ 2430 psi. Treated w/ ave pressure of 4358 psi w/ ave rate of 13.2 BPM. ISIP 3982 psi. Open well to flattank for immediate flowback @ approx. 3 bpm. Well flowed for 1 hr. & died. Recovered 120 bbls. Release HD pkr. RIH w/ tbg. Tag sand @ 4842'. C/O to TS plug @ 4862'. Release TS plug. POOH, laying workstring down on trailer. LD tools. RIH w/ 5 1/2" AS1 pkr., PSN & 2 7/8" J-55 tbg. (flushing tbg. every 40 jts to clean tbg.). Drop standing valve. Pressure test tbg. to 3000 psi for 30 min w/ no bleed off. RIH w/ overshot on sandline.

**Retrieve standing valve. SWIFN.**

**9/12/2008 Day: 6**

**Recompletion**

**Western #2 on 9/11/2008 - ND BOP. Pump 64 bbls fresh water w/ pkr. Fluid down csg. Set AS1 pkr. @ 4034' w/ 18,000# tension. Attempt to pressure test csg. 6 times. Pressure loss was less each time. Leave pressure on csg. SWIFN.**

**9/13/2008 Day: 7**

**Recompletion**

**Western #2 on 9/12/2008 - Pressure test csg. to 1300 psi for 30 min. w/ no bleed off. RD. Well ready for MIT.**

**Pertinent Files: Go to File List**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dennis Ingram Date 9/18/08 Time 1230 am ☒ pm

Test Conducted by: Alfredo V. Rios

Others Present: \_\_\_\_\_

Well: Monument Federal 21-14J-9-16

Field: Monument Butte

Well Location: NE/NW, Sec. 4-T9S-R16E  
Duchesne County, Utah

API No: 43-013-31421

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1360</u>	psig
5	<u>1360</u>	psig
10	<u>1360</u>	psig
15	<u>1360</u>	psig
20	<u>1360</u>	psig
25	<u>1355</u>	psig
30 min	<u>1350</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 980 psig

Result: ☒ Pass ☐ Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_

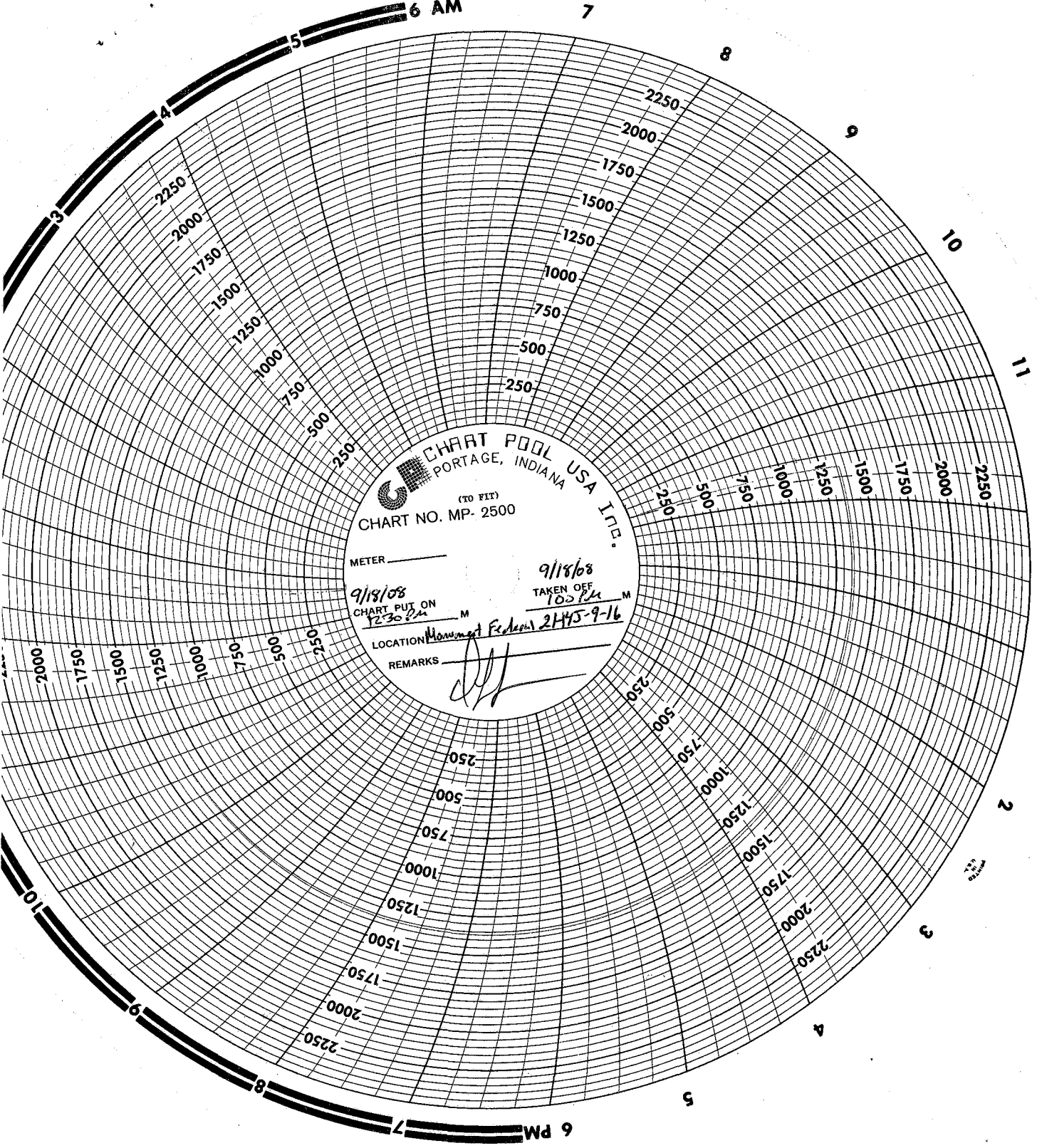


CHART POOL USA INC.  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500

METER \_\_\_\_\_  
9/18/08  
CHART PUT ON 12:30 PM  
LOCATION Monument Federal 2H45-9-16  
REMARKS *[Signature]*

NOON

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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 21-14J
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 0518 FNL 1850 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013314210000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/13/2013</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:
		<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

On 08/12/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/13/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1740 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** September 12, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/15/2013	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/13/13 Time 9:30 am pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: MONUMENT FEDERAL 21-145-9-16 Field: MONUMENT BUTTE  
Well Location: NENW SEC 14 T9S R10E API No: 43-013-31401  
Duchesne County, UT

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1100</u>	psig
5	<u>1100</u>	psig
10	<u>1100</u>	psig
15	<u>1100</u>	psig
20	<u>1100</u>	psig
25	<u>1100</u>	psig
30 min	<u>1100</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1740 psig

Result:

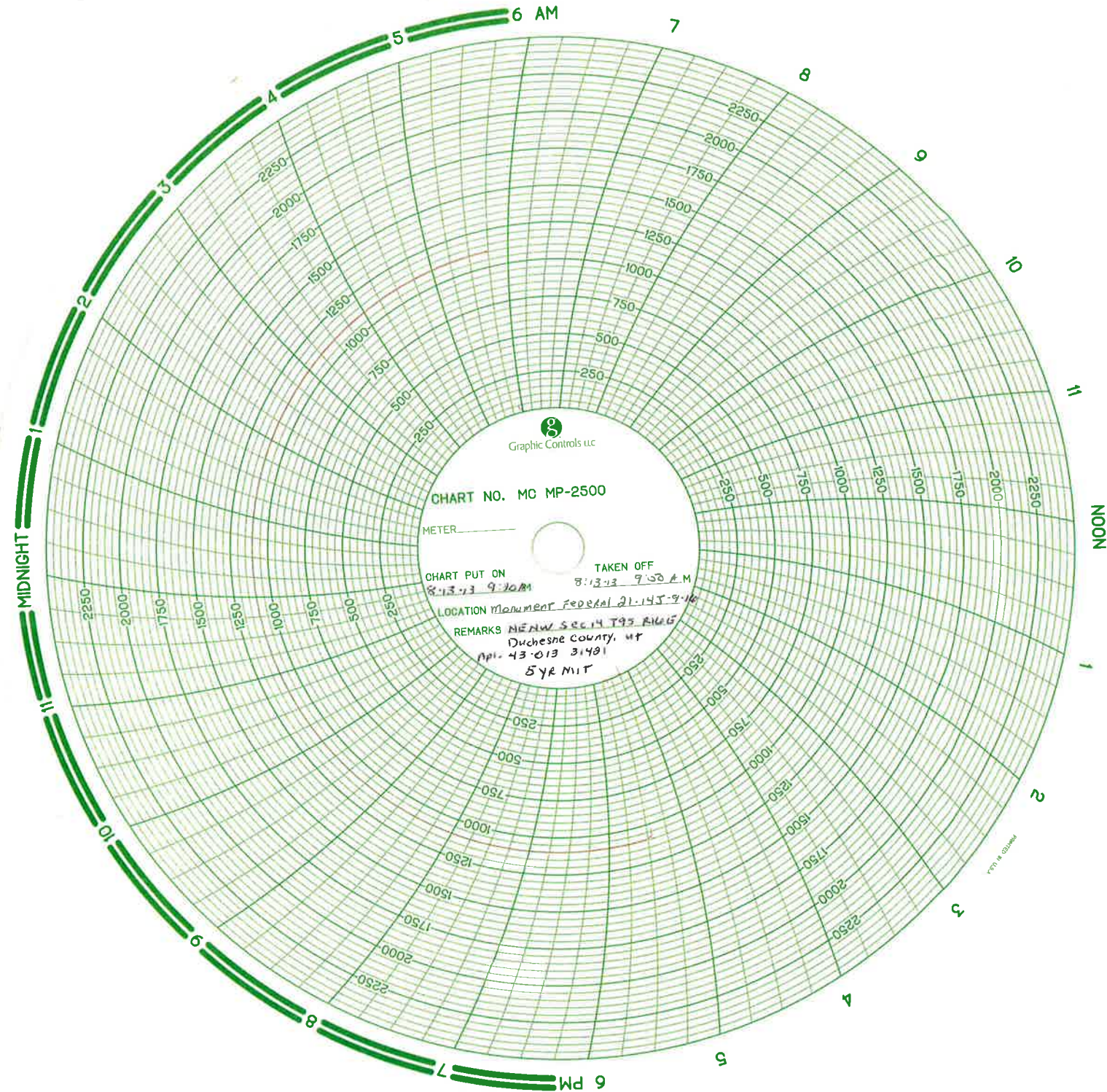
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh

Sundry Number: 41411 API Well Number: 43013314210000



Spud Date: 2/09/94  
 Put on Production: 4/20/94  
 Put on Injection: 10/29/94  
 GL: 5592' KB: 5602'

# Monument Fed. 21-14J-9-16

Initial Production: 45 BOPD,  
 0 MCFD, 0 BWPD

Injection Wellbore  
 Diagram

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts. (248.40')  
 DEPTH LANDED: 256'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5732.57')  
 DEPTH LANDED: 5732.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 160 sxs Thrifty-lite & 270 sxs 50-50 POZ.  
 CEMENT TOP AT: 2100' per CBL.

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 7 jts (?)  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: ??' KB  
 PACKER: 4034' KB  
 TOTAL STRING LENGTH: EOT @ 4040'

## FRAC JOB

4/06/94 5057'-5068' **Frac sand as follows:**  
 16,000# 20/40 sand + 15,000# 16/30 sand in  
 433 bbls Viking 1-35 fluid. Treated @ avg  
 press of 3200 psi w/avg rate of 24 BPM. ISIP  
 2000 psi. Calc. flush: 3387 gal, Actual flush:  
 3444 gal.

4/11/94 4608'-4612' **Frac sand as follows:**  
 12,000# 16/30 sand in 209 bbls Viking 1-35  
 fluid. Treated @ avg press of 3900 psi w/avg  
 rate of 25.1 BPM. ISIP 1950 psi. Calc. flush:  
 3084 gal, Actual flush: 3052 gal.

9/9/08 5512'-5528' **Frac CP2 sds & CP1 sds as follows:**  
 69,494# 20/40 sand in 575 bbls of Lightning  
 17 fluid. Treated w/ ave pressure of 3553 psi  
 w/ ave rate of 13.3 BPM. ISIP 2009 psi.  
 Actual flush: 1260 gals.

9/10/08 4824'-4829' **Frac B.5 sds & C sds as follows:**  
 22,799# 20/40 sand in 234 bbls of Lightning  
 17 fluid. Treated w/ ave pressure of 4358 psi  
 w/ ave rate of 13.2 BPM. ISIP 3982 psi.  
 Actual flush: 1088 gals.

Cement Top @ 2100'

Packer @ 4034'

EOT @ 4040'

4077-4090' GIB-6 sds

4608'-4612' D-2 sds

4743-4749' C sds

4824-4829' B.5 sds

5057-5068' A-3 sds

5472-5486' CP-1 sds

5512-5528' CP-2 sds

PBTD @ 5688'

TD @ 5750'

## PERFORATION RECORD

4/05/94	5057'-5068'	4 JSPF	44 holes
4/08/94	4608'-4612'	4 JSPF	16 holes
9/5/08	4077'-4090'	4 JSPF	52 holes
9/5/08	4743'-4749'	4 JSPF	24 holes
9/5/08	4824'-4829'	4 JSPF	20 holes
9/5/08	5472'-5486'	4 JSPF	56 holes
9/5/08	5512'-5528'	4 JSPF	64 holes

NEWFIELD

Monument Fed. #21-14J-9-16

518' FNL & 1850' FWL

NENW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-31421; Lease #U-096547